Author Index

Volume 33, January–June 1999

Abe I, 992
Abrahamsson T, 1406
Adler G, 1406
Agabiti-Rosei E, 575
Agarwal M, 1020
Aguilera MT, 653
Ahmad SA, 74
Aitman TJ, 290
Akioka K, 961
Akishita M, 162, 613, 1414
Alderman MH, 1130
Alexander BT, 435
Alfie ME, 329, 1436
Alhenc-Gelas F, 775
Alim S, 1436
Alinder CM, 1392
Amenta F, 708
Amerena J, 769
Anderson KM, 402
Anderson NH, 248, 681, 703, 1364
Andreis PG, 1185
Angel M, 1453
Angerosa M, 225
Antonelli G, 1141
Antonios TFT, 998
Aragona F, 1185
Arakawa K, 1399
Arribas SM, 290
Arveiler D, 1169, 1175
Asmar R, 1111
August P, 271
Axelson O, 74
Azhar G, 1195
Azizi M, 879

Baba T, 1374
Babu K, 548
Bader M, 303
Bai W, 378
Baker EH, 1031
Balducci C, 1141
Barenbrock M, 862
Barlassina C, 694
Barnett SR, 1195
Barrett S, 1135
Barthelmebs M, 1201
Bauch A, 816
Bauer C, 816
Baumbach GL, 856
Beaumont FJ, 1348
Behar S, 1002
Beige J, 1049
Beilin LJ, 869
Bella JN, 787, 793
Bello VD, 66
Belloni AS, 1185
Benetos A, 44
Bennett MR, 906
Berrut G, 775
Berthelot A, 1105
Berthold H, 1420
Bertini A, 66
Bertinieri G, 671
Bertovic DA, 1385
Beyer ME, 145
Biaggioni I, 1453
Bianchi G, 694
Bianchi M, 66
Binder A, 1425
Bing OHL, 60, 663
Birkenhäger WH, 1476
Blacher J, 1111
Black HR, 167
Blackwood AM, 1031
Blanco J, 732
Blezer ELA, 137
Blumberg MS, 1465
Bornstein SR, 1025
Bosch SM, 482
Bouhanick B, 775
Boyko V, 1002
Bragdon EE, 1458
Brand E, 1175
Brandes RP, 1243
Brandt-Eliasson U, 1406
Bratteli CW, 1392
Breu V, 212, 312, 389
Briscoe TA, 1233
Bronzetti E, 708
Brooks WW, 663
Brosnan MJ, 290, 1353
Brosnihan KB, 323
Brown NJ, 1431
Brownley KA, 1458
Brun C, 575
Brunner HR, 850, 1105
Bruns DE, 1036
Bulpitt CJ, 1476
Burchell B, 1164
Burke V, 869
Burnier M, 694, 850
Busse R, 1243
Butler R, 1164
Buzzi L, 694

Callahan MF, 385, 482
Calò G, 914
Cambien F, 1169, 1175
Cameron JD, 1385
Campbell DJ, 1233
Campbell WB, 169, 1441
Cannon RO III, 753
Cao G, 874
Cardillo C, 753
Carey RM, 96, 504, 1036, 1237
Carretero OA, 329, 1436
Carroll JF, 811
Carswell HVO, 290, 681
Catanzaro DF, 318
Caubet J-F, 24
Cavalcante J, 1453
Cayatte A, 1225
Cervenka L, 102
Chalmers TC, 24
Chambless LE, 1123
Champagne M-J, 906
Champion HC, 1185
Chander PN, 232
Chao J, 219
Chao L, 219
Chappell MC, 323
Charland S, 823
Chatellier G, 775
Chavoshan B, 937
Chen R, 318
Chen W, 698
Chillon J-M, 856
Chowdhury IA, 74
Christman B, 1453
Churchill MC, 256
Churchill PC, 256
Ciancio L, 719
Cicogna AC, 60
Cirillo M, 887
Clark JS, 290, 681
Cleland SJ, 554
Coca A, 653
Cockcroft J, 1118
Cockrell K, 811
Coffman TM, 482
Cohen H, 1130
Cohen RA, 1225
Cohn JN, 1392
Colucci WS, 663
Communal C, 663
Connell JMC, 554, 703, 1364
Conrad CH, 60, 663
Conterno A, 708
Cooper RS, 874
Corbellini C, 575
Cordell HJ, 1332
Correa FMA, 1025
Correia M, 537
Corvol P, 1324
Cory D, 24
Costa F, 1453
Cowley AW Jr, 440, 446, 511
Coy DH, 1185
Craig T, 476
Cui Y, 108
Cusi D, 694
Cuspidi C, 671

D'Amico M, 694
Dargie HJ, 1169
Dart AM, 1385
Davidge ST, 83
Davies E, 703, 1364
Daviet L, 1414
de Bold AJ, 1342
de Cavanagh E, 225
de Faire U, 53
de la Sierra A, 653
de Simone G, 800
Debatin JF, 726
Dechend R, 212
Deddish PA, 835
Degaute JP, 987
Deichmann PC, 408
Delcayre C, 981
Dell'Omo G, 66
Dell'Oro R, 671
D'Elom E, 1348
Deng LY, 569
Dessì-Fulgheri P, 658
Devereux RB, 787, 793, 800
Devlin AM, 248
DiBona GF, 472
Díez J, 1348
Dimsdale JE, 1099
Distler A, 1049
Diz DI, 482
Djalali A, 542
Djane S, 1111
Dobrin PB, 806
Dohi K, 1146
Dolber PC, 396
Dominiczak AF, 248, 290, 681, 1353
DoNascimento C, 1008
Downing S, 1338
Dragun D, 212, 389
du Cailar G, 90
Du Y, 1225
Dubey RK, 177, 190
Dumas P, 906
Durgam VR, 530
Dustan HP, 609
Dzau VJ, 162, 238, 613, 1414
Dzielak DJ, 811

Eckhart AD, 402
Egido J, 732
Eguchi S, 201
Ehmke H, 954, 1420
Ehrhart-Bornstein M, 1025
Eisenmann B, 969
El-Dahr SS, 340
Elliott HL, 554
Elmquist BJ, 124
Emanueli C, 914
Endemann D, 366
Erdös EG, 835
Espinosa E, 658
Estruch R, 653
Evans A, 1169, 1175
Evans J, 360
Ezan E, 879

Facchini FS, 1008
Fagard R, 1476
Falck JR, 408, 414
Fang Z, 698, 1332
Faruquee MH, 74
Faulhaber J, 954
Felder RA, 504, 1036
Ferder L, 225
Fernández-Solá J, 653
Ferrario CM, 207, 385
Ferraro F, 1338
Filteau C, 823
Finkelstein SM, 1392
Fischli W, 312
Fisher NDL, 559
Fisman EZ, 1002
Fleck E, 183
Forleo C, 1141
Forman A, 18, 633
Fortin J, 1425
Fortuño A, 1348
Fortuño MA, 1348
Fossum E, 781
Francischetti A, 451
Fraser R, 703, 1364
Friel EC, 703
Froehlich J, 116
Frohlich ED, 1, 451, 607, 767, 922, 1097, 1323
Frossard PM, 1052
Frostegård J, 53
Fu B, 1338
Fujii A, 975
Fujii K, 975
Fujishima M, 992
Fujiwara K, 1470

Author Index

Volume 33, January–June 1999

Abe I, 992
Abrahamsson T, 1406
Adler G, 1406
Agabiti-Rosei E, 575
Agarwal M, 1020
Aguilera MT, 653
Ahmad SA, 74
Aitman TJ, 290
Akioka K, 961
Akishita M, 162, 613, 1414
Alderman MH, 1130
Alexander BT, 435
Alfie ME, 329, 1436
Alhenc-Gelas F, 775
Alim S, 1436
Alinder CM, 1392
Amenta F, 708
Amerena J, 769
Anderson KM, 402
Anderson NH, 248, 681, 703, 1364
Andreis PG, 1185
Angel M, 1453
Angerosa M, 225
Antonelli G, 1141
Antonios TFT, 998
Aragona F, 1185
Arakawa K, 1399
Arribas SM, 290
Arveiler D, 1169, 1175
Asmar R, 1111
August P, 271
Axelson O, 74
Azhar G, 1195
Azizi M, 879

Baba T, 1374
Babu K, 548
Bader M, 303
Bai W, 378
Baker EH, 1031
Balducci C, 1141
Barenbrock M, 862
Barlassina C, 694
Barnett SR, 1195
Barrett S, 1135
Barthelmebs M, 1201
Bauch A, 816
Bauer C, 816
Baumbach GL, 856
Beaumont FJ, 1348
Behar S, 1002
Beige J, 1049
Beilin LJ, 869
Bella JN, 787, 793
Bello VD, 66
Belloni AS, 1185
Benetos A, 44
Bennett MR, 906
Berrut G, 775
Berthelot A, 1105
Berthold H, 1420
Bertini A, 66
Bertinieri G, 671
Bertovic DA, 1385
Beyer ME, 145
Biaggioni I, 1453
Bianchi G, 694
Bianchi M, 66
Binder A, 1425
Bing OHL, 60, 663
Birkenhäger WH, 1476
Blacher J, 1111
Black HR, 167
Blackwood AM, 1031
Blanco J, 732
Blezer ELA, 137
Blumberg MS, 1465
Bornstein SR, 1025
Bosch SM, 482
Bouhanick B, 775
Boyko V, 1002
Bragdon EE, 1458
Brand E, 1175
Brandes RP, 1243
Brandt-Eliasson U, 1406
Bratteli CW, 1392
Breu V, 212, 312, 389
Briscoe TA, 1233
Bronzetti E, 708
Brooks WW, 663
Brosnan MJ, 290, 1353
Brosnihan KB, 323
Brown NJ, 1431
Brownley KA, 1458
Brun C, 575
Brunner HR, 850, 1105
Bruns DE, 1036
Bulpitt CJ, 1476
Burchell B, 1164
Burke V, 869
Burnier M, 694, 850
Busse R, 1243
Butler R, 1164
Buzzi L, 694

Callahan MF, 385, 482
Calò G, 914
Cambien F, 1169, 1175
Cameron JD, 1385
Campbell DJ, 1233
Campbell WB, 169, 1441
Cannon RO III, 753
Cao G, 874
Cardillo C, 753
Carey RM, 96, 504, 1036, 1237
Carretero OA, 329, 1436
Carroll JF, 811
Carswell HVO, 290, 681
Catanzaro DF, 318
Caubet J-F, 24
Cavalcante J, 1453
Cayatte A, 1225
Cervenka L, 102
Chalmers TC, 24
Chambless LE, 1123
Champagne M-J, 906
Champion HC, 1185
Chander PN, 232
Chao J, 219
Chao L, 219
Chappell MC, 323
Charland S, 823
Chatellier G, 775
Chavoshan B, 937
Chen R, 318
Chen W, 698
Chillon J-M, 856
Chowdhury IA, 74
Christman B, 1453
Churchill MC, 256
Churchill PC, 256
Ciancio L, 719
Cicogna AC, 60
Cirillo M, 887
Clark JS, 290, 681
Cleland SJ, 554
Coca A, 653
Cockcroft J, 1118
Cockrell K, 811
Coffman TM, 482
Cohen H, 1130
Cohen RA, 1225
Cohn JN, 1392
Colucci WS, 663
Communal C, 663
Connell JMC, 554, 703, 1364
Conrad CH, 60, 663
Conterno A, 708
Cooper RS, 874
Corbellini C, 575
Cordell HJ, 1332
Correa FMA, 1025
Correia M, 537
Corvol P, 1324
Cory D, 24
Costa F, 1453
Cowley AW Jr, 440, 446, 511
Coy DH, 1185
Craig T, 476
Cui Y, 108
Cusi D, 694
Cuspidi C, 671

D'Amico M, 694
Dargie HJ, 1169
Dart AM, 1385
Davidge ST, 83
Davies E, 703, 1364
Daviet L, 1414
de Bold AJ, 1342
de Cavanagh E, 225
de Faire U, 53
de la Sierra A, 653
de Simone G, 800
Debatin JF, 726
Dechend R, 212
Deddish PA, 835
Degaute JP, 987
Deichmann PC, 408
Delcayre C, 981
Dell'Omo G, 66
Dell'Oro R, 671
D'Elom E, 1348
Deng LY, 569
Dessì-Fulgheri P, 658
Devereux RB, 787, 793, 800
Devlin AM, 248
DiBona GF, 472
Díez J, 1348
Dimsdale JE, 1099
Distler A, 1049
Diz DI, 482
Djalali A, 542
Djane S, 1111
Dobrin PB, 806
Dohi K, 1146
Dolber PC, 396
Dominiczak AF, 248, 290, 681, 1353
DoNascimento C, 1008
Downing S, 1338
Dragun D, 212, 389
du Cailar G, 90
Du Y, 1225
Dubey RK, 177, 190
Dumas P, 906
Durgam VR, 530
Dustan HP, 609
Dzau VJ, 162, 238, 613, 1414
Dzielak DJ, 811

Eckhart AD, 402
Egido J, 732
Eguchi S, 201
Ehmke H, 954, 1420
Ehrhart-Bornstein M, 1025
Eisenmann B, 969
El-Dahr SS, 340
Elliott HL, 554
Elmquist BJ, 124
Emanueli C, 914
Endemann D, 366
Erdös EG, 835
Espinosa E, 658
Estruch R, 653
Evans A, 1169, 1175
Evans J, 360
Ezan E, 879

Facchini FS, 1008
Fagard R, 1476
Falck JR, 408, 414
Fang Z, 698, 1332
Faruquee MH, 74
Faulhaber J, 954
Felder RA, 504, 1036
Ferder L, 225
Fernández-Solá J, 653
Ferrario CM, 207, 385
Ferraro F, 1338
Filteau C, 823
Finkelstein SM, 1392
Fischli W, 312
Fisher NDL, 559
Fisman EZ, 1002
Fleck E, 183
Forleo C, 1141
Forman A, 18, 633
Fortin J, 1425
Fortuño A, 1348
Fortuño MA, 1348
Fossum E, 781
Francischetti A, 451
Fraser R, 703, 1364
Friel EC, 703
Froehlich J, 116
Frohlich ED, 1, 451, 607, 767, 922, 1097, 1323
Frossard PM, 1052
Frostegård J, 53
Fu B, 1338
Fujii A, 975
Fujii K, 975
Fujishima M, 992
Fujiwara K, 1470

Fukuoka T, 298, 565
Furukawa K, 130

Gaehtgens P, 153
Gagnon M, 1195
Gainer JV, 1431
Galis ZS, 116
Gallagher PE, 323
Gallois Y, 775
Ganau A, 800
Ganten D, 212, 261, 303, 385, 389
Garcha RS, 1043
Gatzka CD, 1385
Gavras H, 14
Gavras I, 14
Gazapo RM, 732
Gelband CH, 354, 360
Geny B, 969
George I, 816
Gerdes AM, 676
Gerhard MD, 1190
Gerineau V, 879
Gesek FA, 524
Giantomassi L, 658
Gillespie DG, 177, 190
Gimenez-Roqueplo A-P, 1324
Giorgi D, 66
Girdler SS, 1458
Giusti C, 66
Glasser SP, 1392
Glenn CL, 927
Gobeil F Jr, 823
Gödecke A, 1359
Goetze S, 183
Golanov E, 517
Golczynska A, 36
Goldbourt U, 1002
Goldschmeding R, 137
Goldstein DS, 36
Gómez-Garre D, 732
Gomez-Sanchez CE, 1369
Gomez-Sanchez EP, 1369
Gontijo JR, 493
Gordon KL, 1013
Goto Y, 1374
Graff E, 1002
Graham D, 248, 681
Granger JP, 435
Grassi G, 671
Gratze G, 1425
Gray GA, 581
Greco S, 708
Grima M, 1201
Gross V, 212
Grossman E, 36
Gubbio Population Study Research Group, 887
Guerrini R, 914
Guize L, 44
Gwinner W, 1243

Haberey P, 969
Haile V, 1453
Haley CS, 949
Halimi J-M, 90
Haller H, 212, 389
Hallet V, 1169
Hamet P, 906
Hamidou I, 1135
Hamilton BP, 373
Hamilton CA, 248, 1353
Hamlyn JM, 373
Handy DE, 14
Hany TF, 726
Harder DR, 414
Hardy H, 969
Harrap SB, 1214
Harrison-Bernard LM, 340
Hashimoto N, 759
Hatakeyama H, 1179
Hattori S, 943
Hattori Y, 943
Hausberg M, 862
Hayakawa H, 467, 689
Hayashi K, 1470
Hayashi S-i, 1379
Haynes WG, 537, 542
Hayoz D, 1105
Haywood JR, 476
Hazen-Martin D, 1036
He G, 366
He J, 647
He Q, 283
Healy DP, 740, 746
Heidenreich S, 862
Heiderstadt NT, 96
Heiss G, 1123
Herizi A, 830
Heron S, 987
Herrmann S-M, 1175
Heymes C, 981
Higaki J, 335, 1379
Higashi Y, 591
Hilbers U, 1025
Hildebrandt DA, 487
Hilfiker P, 726
Hilgers KF, 312
Hinderliter AL, 1458
Hinojosa-Laborde C, 476
Hirata Y, 201, 467, 689
Hiwada K, 298, 565
Hocher B, 816
Hoehe MR, 1425
Hoffmann U, 726
Hoffmeister HM, 145
Hohage H, 862
Hohenbleicher H, 1049
Høieggen A, 781
Hollenberg NK, 559
Holloway CD, 703
Holmes C, 36
Honda M, 1470
Hood WA, 487
Hope S, 1225
Horio T, 1146
Horiuchi M, 162, 613, 1414
Hövelborn T, 145
Hsueh WA, 183
Hu L, 318
Huang BS, 32
Hughes AD, 1043
Humphreys MH, 1008

Iaccarino G, 396
Ichida T, 1207
Ichihara A, 462
Ideishi M, 1399
Igase M, 565
Ihara M, 1399
Imbs J-L, 1201
Imig JD, 195, 408, 462
Imthurn B, 177
Inaba S, 130, 1179
Inagami T, 201, 626
Inglis GC, 703
Ingram MC, 703, 1364
Inscho EW, 195, 408
Inserra F, 225
Intengan HD, 569
Isenović E, 276
Ishii M, 1159
Ishimitsu T, 586
Ito M, 162, 1414
Ito O, 419
Itoh H, 1207
Iwai N, 266
Iwao H, 961
Iwasaki H, 201
Izzo JL Jr, 167

Jackman HL, 835
Jackson EK, 177, 190
Jacobs DR Jr, 640
Jansen GH, 137
Járai Z, 429
Jee SH, 647
Jeffs B, 290, 681
Jeunemaitre X, 1324
Jiang Y, 565
Johns C, 14
Johns RA, 96
Johnson RJ, 1013
Johnston NR, 581
Jöhren O, 1025
Joles JA, 137
Jones SY, 472
Jong WD, 1201
Jose PA, 1036
Jover B, 830
Jula A, 1057
Julius S, 769
Just A, 1420

Kadowitz PJ, 1185
Kainulainen K, 844
Kajiyama G, 591
Kakoki M, 467, 689
Kamen J, 517
Kang B-H, 1218
Kangawa K, 689, 1146
Kaprio J, 844
Karp L, 1406
Kasai K, 943
Kassab S, 435
Kato M, 1153
Kato N, 933
Katovich MJ, 360
Kawa T, 1207
Kawano H, 183
Kawano Y, 183
Kazmaier S, 145
Keller PJ, 177
Kerr S, 1353
Khanna A, 271
Kiefe CI, 640
Kiely DK, 1195
Kikuchi K, 467, 689
Kikuchi M, 1399
Kilcoyne CM, 753
Kim D-y, 1243
Kim J-R, 640
Kim S, 961
Kingwell BA, 1385
Kinoshita A, 1399
Kinoshita M, 266
Kirby RF, 1465
Kirchengast M, 954
Kirchheim HR, 1420
Kitami Y, 298, 565
Kitano R, 759
Kjeldsen SE, 781
Kladis A, 1233
Klag MJ, 647
Knight EL, 1195
Kobilka B, 14
Koch WJ, 396, 402
Koddenberg G, 1243
Kohara K, 565
Kontula K, 844
Koomans HA, 137
Kopp UC, 472, 493
Koren MJ, 800
Koskenvuo M, 844
Kotanko P, 1425
Kren V, 256
Krenova D, 256
Kreutz R, 261
Kruckeberg WC, 435
Kruse H-J, 1243
Kubota E, 1470
Kumar A, 108
Kunos G, 429
Kurihara H, 933
Kurisu S, 591
Kuro T, 759

Labugger R, 1425
Ladipo M, 874
Laffel LMB, 559
Laird N, 698
Lakatta EG, 116
Landon EJ, 626
Lanella G, 694
LaPointe MC, 276, 283
Laragh JH, 318
Laredo J, 373
Largo R, 732
Laurant P, 1105
Laurenzi M, 887
Law RE, 183
Le Jeune J-J, 775
LeBlanc EA, 195
Leeman M, 987
Leenen FHH, 32
Lefkowitz RJ, 396
Lehtonen JYA, 1414
Lemne C, 53
Lenders J, 36
Lenhart JR, 323
Lestringant GG, 1052
Leung DA, 726
Lewis I, 1338
Lezin ES, 256
Li B, 271
Li J, 499
Li J-S, 366, 569
Li P, 323, 385, 482
Li P-L, 511, 1441
Li Z, 116
Light KC, 1123, 1458
Lim PO, 713
Lin H-C, 1218
Lin K-F, 219
Lindpaintner K, 698, 1332
Linz W, 1342
Lippoldt A, 212
Lipsitz LA, 1195
Liu K, 640
Liu W, 256
Liu Y, 686
Lohmeier TE, 487
Löhn M, 389
Lombard JH, 686
Lombardi D, 1013
London GM, 1111
Lonsdorfer J, 969
Lu L, 949
Luc G, 1169, 1175
Luft FC, 212, 312, 389, 1425

Luo D, 24
Lynn KL, 1020

Mabuchi H, 130
MacDonald TM, 713
MacGregor GA, 998, 1031
Macrae IM, 290, 681
Madeddu P, 914
Madhavan S, 1130
Maeda CY, 440
Maillard M, 694, 850
Majahalme S, 769
Makaritsis KP, 14
Mancia G, 671
Manger W, 517
Manning RD Jr, 456
Manunta P, 694
Manzari M, 719
Mao HZ, 548
Marcic B, 835
Mark AL, 537, 542
Markandu ND, 998, 1031
Marre M, 775
Marrón B, 732
Marshall CH, 517
Marumo F, 201
Massari F, 1141
Mastropasqua F, 1141
Mathews S, 312
Matsuda H, 1470
Matsumoto K, 1379
Matsumura K, 992
Matsumura Y, 759
Matsuo H, 689, 1146
Matsuoka H, 586
Matsuura H, 591
Matsuzaki M, 975
Mazzolai L, 850
McDonagh TA, 1169
McDonald RH, 611
McElvaney TA, 1031
McIntyre M, 1353
McMurray JJV, 1169
McVeigh GE, 1392
Mehta D, 1436
Menard J, 775, 879
Mendelsohn FAO, 347
Meng S, 456
Mensah GA, 800
Merlo M, 719
Mervaala EMA, 212, 389
Mifflin SW, 530
Miho N, 1447
Miki S, 1207
Milia AF, 914
Millatt LJ, 96
Miller MA, 1031
Miller MT, 435
Mimran A, 90, 830
Minami J, 586
Mitchell KD, 102
Miyajima E, 1159
Miyamori I, 130, 1179
Miyata N, 446
Miyazaki S, 1374
Mizelle HL, 811
Moan A, 781
Mohuczy D, 354
Montani J-P, 811
Monteduro C, 575
Morgan DA, 537, 542
Morgan DJ, 1392
Moriguchi A, 1379
Moriguchi K, 335
Morimoto A, 1146
Morimoto S, 1207
Morin RJ, 1195
Morishita R, 1379
Morita H, 933
Morris AD, 1164
Morris BJ, 927
Morris M, 385, 482
Morris NH, 1338
Morris RC Jr, 18, 633
Morrison C, 703, 1169, 1364
Morsing P, 1406
Mortimer PS, 998
Morton JJ, 248
Motley ED, 201
Motro M, 1002
Mrowka R, 1359
Mügge A, 1243
Muiesan ML, 575
Mulatero P, 708
Müller DN, 212, 312, 389
Müller S, 862
Münter K, 954, 1420
Muntzel MS, 1135
Murphy WA, 1185

Naas AAO, 713
Nabika T, 933
Nadler J, 378
Nagano T, 467, 689, 1379
Nagata D, 467, 689
Nagaya N, 1146
Nakagawa K, 591
Nakagawa M, 1207
Nakamura K, 1207
Nakamura S, 1379
Nakamura T, 1379
Nakata T, 1207
Narayanan CS, 108
Nardo CJ, 1123
Narkiewicz K, 1153
Natarajan R, 378
Navar LG, 1, 102, 340, 462, 607, 767, 922, 1097, 1323
Nawada R, 1447
Nazzaro P, 719
Negrin CD, 290
Nelson JC, 1195
Nerz S, 145
Nesbitt S, 769
Neugebauer W, 823
Neumayer H-H, 816
Nguyen H, 987
Ni XP, 1008
Nicaud V, 1175
Nicholls MG, 1020
Nicolay K, 137
Niedzwiecki D, 24
Nishikimi T, 1146
Nishimatsu H, 467, 689
Nishioka T, 385
Niu T, 698, 1332
Noguchi H, 1379
Noguchi T, 1374
Nonogi H, 1374
Novak J, 435
Numaguchi K, 201
Nunez DJR, 949
Nussberger J, 850
Nussdorfer GG, 1185
Nys M, 713

Obayashi K, 1447
Oberman A, 640
Obineche EN, 1052
Ogawa T, 1342
Ogihara T, 335, 1379
Ogunbiyi O, 874
Ohishi M, 335, 347
Ohkita M, 759
Ohlson K, 1406
Okamura A, 335
Okoshi MP, 60
Okura T, 298, 565
O'Leary DF, 340
Oliverio MI, 482
Omata M, 467, 689
Omura T, 961
Oparil S, 170
Opgenorth TJ, 759
Orlov SN, 906
Osbakken M, 713
Osei SY, 559
O'Shaughnessy KM, 1338
Oshima T, 591
O'Sullivan JB, 1214
Owada KM, 201
Owoaje E, 874
Ozawa Y, 1470

Pagano PJ, 1225
Palatini P, 622, 769
Panarelli W, 887
Panza JA, 753
Park JK, 212, 389
Pasquié JL, 830
Passantino A, 1141
Paterni M, 66
Pedrinelli R, 66
Peltonen L, 844
Peng H, 329
Perdomo E, 1465
Perola M, 844
Perron SI, 823
Persson PB, 1359
Persu A, 1324
Pesek CA, 1153
Peters J, 1025
Petrie JR, 554
Pfammatter T, 726
Pham BT, 195
Phillips MI, 8, 354
Phipps J, 1036
Pickering TG, 787, 793
Pickkers P, 1043
Pini R, 787, 793
Piquard F, 969
Pirrelli A, 719
Pitzalis MV, 1141
Plaza JJ, 732
Plouin P-F, 1175
Poirier O, 1169
Polinsky P, 1013
Portal AJ, 1031
Porter L, 559
Pratt RE, 238
Pravenec M, 256
Price DA, 559
Pries AR, 153
Profant J, 1099

Qi N, 256
Quinn MT, 1225

Rabelink TJ, 137
Rahman M, 74
Rahmouni K, 1201
Rahn K-H, 862
Rainoni L, 726
Raizada MK, 360
Rakic V, 869
Rakugi H, 335
Rappelli A, 658
Ravassa S, 1348
Ré RN, 1, 607, 767, 922, 1097, 1323
Rea RF, 36
Reaven GM, 1008
Reaves PY, 360
Rebstock J, 816
Reckelhoff JF, 435
Reddy KM, 408
Regoli D, 823, 914
Reicher-Reiss H, 1002
Reid JL, 248, 1353
Renberg L, 1406
Reny J-L, 879
Rhaleb N-E, 329
Ribstein J, 90
Ricci A, 708
Richards AM, 1020
Rizzon P, 1141
Rizzoni D, 575
Robert V, 981
Robinson KG, 60, 663
Rocchini AP, 548
Rocchini PMAJ, 548
Rocha R, 232
Roggensack AM, 83
Rogus JJ, 698, 1332
Roman MJ, 787, 793, 800
Roman RJ, 414, 419
Romano MF, 66
Rosamond WD, 1123
Ross SD, 24
Rossat J, 850
Rosselli M, 177
Rossi GP, 1185
Rostrup M, 781
Rotimi CN, 874
Rudnichi A, 44
Ruidavets J-B, 1169, 1175
Rusch NJ, 686

Saarijärvi S, 1057
Saavedra JM, 1025
Sabri A, 981
Safar M, 44
Safar ME, 1111
Said S, 676
Sakata K, 1447
Sakumura T, 975
Salis MB, 914
Salminen JK, 1057
Salvetti M, 575
Sanada H, 1036
Sander M, 937
Santoro G, 1141
Sapojnikov M, 261
Saruta T, 1470
Sarzani R, 658
Sasaguri M, 1399
Sasaki N, 591
Sasaki S, 591, 1207
Scarano A, 719
Schachter M, 1043
Schena M, 708
Schiavone D, 708
Schiffrin EL, 366, 569
Schmid CH, 24
Schmidlin O, 18, 633
Schmidt F, 212, 389
Schmitz C, 212
Schnackenberg CG, 424
Schneider E, 726
Schneider W, 212

Schölkens BA, 1342
Schork NJ, 248
Schrader J, 1359
Schwartz JE, 787, 793
Schwartz SM, 1013
Schwarz A, 816
Scott S, 378
Sealey JE, 318
Sebastian A, 18, 633
Sebkhi A, 949
Secomb TW, 153
Seely EW, 1190
Seppä K, 79
Seravalle G, 671
Serenelli M, 658
Shaffer RA, 537
Shah JR, 373
Sharma AM, 1049
Sharma V, 271
Sharrett AR, 1123
Shemesh J, 1002
Sherwood A, 1458
Shesely EG, 329, 1436
Shigemasa T, 1159
Shirotani M, 1447
Shotan A, 1002
Sigmund CD, 900
Sillanaukee P, 79
Silvestre J-S, 981
Simchon S, 517
Singer DRJ, 998
Singh K, 60, 663
Singh T, 271
Sinn PL, 900
Siragy HM, 96, 1237
Sirokman G, 663
Sivitz WI, 542
Sjöquist P-O, 1406
Skrabal F, 1425
Slesak G, 145
Smith LA, 493
Smits P, 1043
Sokoloff G, 1465
Somers VK, 1153
Sommer G, 517
Song L, 740, 746
Soto K, 732
Soubrier F, 924
Spagnolo D, 658
Spaziani D, 671
Spratt JC, 581
Squire R, 60
Staessen JA, 1476
Stamler J, 887
Stason WB, 24
Stauss HM, 1359
Steadman JS, 256
Stein CM, 1431
Stella I, 225
Stier CT Jr, 232
Strachan FE, 581
Strawn WB, 207
Struthers AD, 713, 1164
Stuhlmuller J, 36
Suga S, 1013
Sugimoto T, 689
Sugiyama T, 933
Suh I, 647
Sulur P, 1453
Sumida H, 1374
Summers RL, 811
Sun C-W, 414
Susic D, 451
Suthanthiran M, 271
Suzuki E, 467, 689
Suzuki K, 335
Suzuki Y, 467, 689
Suzumiya J, 1399
Swynghedauw B, 981
Syst-Eur Investigators, 1476
Syvänen A-C, 844
Szentiványi M Jr, 440
Szpirer C, 290

Taiji M, 1379
Taira S, 759
Takaoka M, 759
Takata Y, 298, 565
Takeda K, 1207
Takeda Y, 130
Takeshita S, 1379
Takeuchi K, 961
Takida S, 124
Takiuchi S, 335
Tallant EA, 207
Tamaki S, 266
Tamburrini P, 658
Tamura K, 162, 1414
Tamura M, 626
Tamura T, 676
Tan DY, 456
Tanaka M, 18, 633
Taniyama Y, 1379
Tayebati SK, 708
Tell GS, 1123
Tenenbaum A, 1002
Teragaki M, 961
Terwilliger J, 844
Thijs L, 1476
Thomas F, 44
Timmermann B, 1425
Tiret L, 1169, 1175
Tobian L, 7
Toblli JE, 225
Tochikubo O, 1159
Toda I, 961
Togi K, 1447
Tondel M, 74
Touyz RM, 366
Trachte GJ, 124
Tremblay J, 906
Trevisan M, 887
Triggiani R, 719
Tseng C-J, 1218
Tsuchihashi T, 992
Tsujita Y, 266

Ueda S, 554
Ueda T, 591
Uhlmann R, 312
Umemoto S, 975
Unger P, 987
Urata H, 1399
Urbano-Márquez A, 653
Utriainen T, 1118

Valentini M, 769
van de Borne P, 987
Van Vooren P, 290
VanNess JM, 476
Varga K, 429
Vartiainen E, 844
Vaughan DE, 1431
Vaziri ND, 894
Veglio F, 708
Vehkavaara S, 1118
Victor RG, 937
Vincent JL, 987
Vitela M, 530
Voigtländer T, 303
Vriz O, 769
VYerneni KK, 378

Waclawiw M, 753
Waddell TK, 1385
Wagner JA, 429
Walsh BW, 1190
Wan F-J, 1218
Wanaka Y, 626
Wang B, 698
Wang C-T, 102
Wang DH, 499
Wang H, 360
Wang HD, 1225
Wang J-M, 256
Wang N, 256
Wang WYS, 927
Wang XQ, 894
Wang Z, 698
Wang Z-Q, 96, 504
Ward R, 874
Wdzieczak-Bakala J, 879
Webb DJ, 581
Wei E, 698
West SG, 1458
Westerbacka J, 1118
Whelton PK, 647
White SM, 195
Whiting GW, 24
Wiesner RJ, 954
Wilcox CS, 424
Wilkins MR, 949
Wilkinson I, 1118
Wilkinson IB, 581
Willette RN, 402
Williams GH, 1190
Williams OD, 640
Witztum JL, 53
Wu C-C, 1218
Wu F, 511
Wu R, 53

Xi X-P, 183
Xu J, 1036
Xu X, 698, 1332

Yagil C, 261
Yagil Y, 261
Yamada H, 162, 1207, 1414
Yamagishi H, 961
Yamakawa T, 201
Yamori Y, 933
Yan Y, 318
Yanagitani Y, 335
Yang J, 698
Yang Y, 256
Yasuda S, 1374
Yazaki Y, 933
Yip JW, 1008
Yki-Järvinen H, 1118
Yonezawa T, 975
Yoshida H, 1447
Yoshihara F, 1146
Yoshikawa J, 961
Yoshimizu A, 591
Yoshiyama M, 961
Yu P-Y, 1036

Zalba G, 1348
Zhang DX, 1441
Zhang L, 256
Zhang Y, 83
Zhao L, 949
Zhao YY, 108
Zhou J, 108
Zhou Y, 1332
Zhu J, 347, 1233
Zidek V, 256
Zimmermann-Paul GG, 726
Zou A-P, 511, 1441
Zuckerman A, 232
Zulli R, 575
Zürcher H, 261

Subject Index

Volume 33, January–June 1999

A

Acetazolamide
Neuronal Nitric Oxide Synthase-Dependent Afferent Arteriolar Function in Angiotensin II-Induced Hypertension, 462

Acetylcholine
Loss of Endothelium and Receptor-Mediated Dilation in Pial Arterioles of Rats Fed a Short-Term High Salt Diet, 686

Activator protein-1
Angiotensin II Signaling in Vascular Smooth Muscle Cells Under High Glucose Conditions, 378

Adducin
Adducin Polymorphism Affects Renal Proximal Tubule Reabsorption in Hypertension, 694
Linkage Analysis of Candidate Genes and Gene-Gene Interactions in Chinese Hypertensive Sib Pairs, 1332

Adenosine
Adenosine Inhibits Collagen and Total Protein Synthesis in Vascular Smooth Muscle Cells, 190
Effect of Chronic Salt Loading on Adenosine Metabolism and Receptor Expression in Renal Cortex and Medulla in Rats, 511
Intravascular Source of Adenosine During Forearm Ischemia in Humans: Implications for Reactive Hyperemia, 1453

Adenosine deaminase
Effect of Chronic Salt Loading on Adenosine Metabolism and Receptor Expression in Renal Cortex and Medulla in Rats, 511

Adenosine triphosphate
Purinoceptor-Mediated Calcium Signaling in Preglomerular Smooth Muscle Cells, 195

Adenovirus
Atrial Natriuretic Peptide Gene Delivery Reduces Stroke-Induced Mortality Rate in Dahl Salt-Sensitive Rats, 219
Is Gene Therapy for Hypertension Possible? 8

Adenyl cyclase
Dopamine-1 Receptor Coupling Defect in Renal Proximal Tubule Cells in Hypertension, 1036

Adenylyl cyclase
The Myocardial β-Adrenergic System in Spontaneously Hypertensive Heart Failure (SHHF) Rats, 402

Adrenal
Effects of Angiotensin II on Sodium Potassium Pumps, Endogenous Ouabain, and Aldosterone in Bovine Zona Glomerulosa Cells, 373

Adrenal glands
Proadrenomedullin N-Terminal 20 Peptide (PAMP), Acting Through PAMP(12–20)-Sensitive Receptors, Inhibits Ca^{2+}-Dependent, Agonist-Stimulated Secretion of Human Adrenal Glands, 1185
Regulation of Angiotensin II Type 1 Receptor mRNA and Protein in Angiotensin II–Induced Hypertension, 340

Adrenergic receptor blockers
ACE Inhibitor Versus β-Blocker for the Treatment of Hypertension in Renal Allograft Recipients, 862
A Large Blood Pressure–Raising Effect of Nitric Oxide Synthase Inhibition in Humans, 937

Adrenomedullin
Central Adrenomedullin Augments the Baroreceptor Reflex in Conscious Rabbits, 992
Role of Nitric Oxide–cGMP Pathway in Adrenomedullin-Induced Vasodilation in the Rat, 689
Ventricular Adrenomedullin Levels Correlate With the Extent of Cardiac Hypertrophy in Rats, 1146

Adventitia
Paracrine Role of Adventitial Superoxide Anion in Mediating Spontaneous Tone of the Isolated Rat Aorta in Angiotensin II-Induced Hypertension, 1225

Afferent renal nerve
CGRP Activates Renal Pelvic Substance P Receptors by Retarding Substance P Metabolism, 493

Afferent renal nerve activity
Renal Mechanoreceptor Dysfunction: An Intermediate Phenotype in Spontaneously Hypertensive Rats, 472

African Americans
Normotensive Salt Sensitivity: Effects of Race and Dietary Potassium, 18

Aging
Age-Related Abnormalities in Arterial Compliance Identified by Pressure Pulse Contour Analysis: Aging and Arterial Compliance, 1392
Effects of Coffee on Ambulatory Blood Pressure in Older Men and Women: A Randomized Controlled Trial, 869
Increased Expression of Matrix Metalloproteinase-2 in the Thickened Intima of Aged Rats, 116
Prolonged L-Arginine on Cardiovascular Mass and Myocardial Hemodynamics and Collagen in Aged Spontaneously Hypertensive Rats and Normal Rats, 451

Agouti
State-of-the-Art Lecture: Obesity-Induced Hypertension: New Concepts From the Emerging Biology of Obesity, 537

Albuminuria
Chronic Bradykinin Infusion and Receptor Blockade in Angiotensin II Hypertension in Rats, 830

Alcohol
Alexithymia: A Facet of Essential Hypertension, 1057
Binge Drinking and Ambulatory Blood Pressure, 79
Effect of Alcohol Abstinence on Blood Pressure: Assessment by 24-Hour Ambulatory Blood Pressure Monitoring, 653
Prospective Analysis of Traits Related to 6-Year Change in Sodium-Lithium Countertransport, 887

Aldosterone
Aldosterone Excretion Rate and Blood Pressure in Essential Hypertension Are Related to Polymorphic Differences in the Aldosterone Synthase Gene *CYP11B2*, 703
Angiotensin AT_1 Receptor Subtype as a Cardiac Target of Aldosterone: Role in Aldosterone-Salt–Induced Fibrosis, 981
Genetic Polymorphism of *CYP11B2* Gene and Hypertension in Japanese, 266
Hyponatremic-Hypertensive Syndrome With Renal Ischemia: An Underrecognized Disorder, 1020
Local Renin-Angiotensin System Is Involved in K^+-Induced Aldosterone Secretion from Human Adrenocortical NCI-H295 Cells, 1025
Maternal Hypertension and Progeny Blood Pressure: Role of Aldosterone and 11β-HSD, 1369
Proadrenomedullin N-Terminal 20 Peptide (PAMP), Acting Through PAMP(12–20)-Sensitive Receptors, Inhibits Ca^{2+}-Dependent, Agonist-Stimulated Secretion of Human Adrenal Glands, 1185
Role of Aldosterone in Renal Vascular Injury in Stroke-Prone Hypertensive Rats, 232

Alexithymia
Alexithymia: A Facet of Essential Hypertension, 1057

Amiloride
Epithelial Sodium Channel Activity Is Not Increased in Hypertension in Whites, 1031

Aminopeptidases
Kidney Aminopeptidase A and Hypertension, Part I: Spontaneously Hypertensive Rats, 740
Kidney Aminopeptidase A and Hypertension, Part II: Effects of Angiotensin II, 746

Amlodipine
Effects of Amlodipine and Cilnidipine on Cardiac Sympathetic Nervous System and Neurohormonal Status in Essential Hypertension, 1447
Irbesartan Reduces QT Dispersion in Hypertensive Individuals, 713

Anandamide
Mesenteric Vasodilation Mediated by Endothelial Anandamide Receptors, 429

Angina pectoris
Safety of Nifedipine in Angina Pectoris: A Meta-Analysis, 24
Angiogenesis
Therapeutic Angiogenesis Induced by Human Recombinant Hepatocyte Growth Factor in Rabbit Hind Limb Ischemia Model as Cytokine Supplement Therapy, 1379
Angiotensin
Angiotensin-(1–7) Reduces Smooth Muscle Growth After Vascular Injury, 207
Angiotensin-Converting Enzyme Inhibition Restores Hepatocyte Growth Factor Production in Patients With Congestive Heart Failure, 1374
Angiotensin II Type 1 Receptor Antagonist Downregulates Nonmuscle Myosin Heavy Chains in Spontaneously Hypertensive Rat Aorta, 975
Antisense Inhibition of AT_1 Receptor in Vascular Smooth Muscle Cells Using Adeno-Associated Virus-Based Vector, 354
AT_2 Receptor and Vascular Smooth Muscle Cell Differentiation in Vascular Development, 1414
Effects of an Angiotensin-Converting Enzyme Inhibitor and a β-Blocker on Cerebral Arterioles in Rats, 856
Effects of Human Prorenin in Rats Transgenic for Human Angiotensinogen, 312
Is Gene Therapy for Hypertension Possible? 8
Transcriptional Regulation of the Rat Renin Gene by Regulatory Elements in Intron I, 303
Type 2 Bradykinin-Receptor Antagonism Does Not Modify Kinin or Angiotensin Peptide Levels, 1233
Angiotensin-(1–9)
Enhancement of Bradykinin and Resensitization of Its B_2 Receptor, 835
Angiotensin antagonist
Proximal Tubular Angiotensin II Levels and Renal Functional Responses to AT_1 Receptor Blockade in Nonclipped Kidneys of Goldblatt Hypertensive Rats, 102
Angiotensin-converting enzyme
DD Angiotensin-Converting Enzyme Gene Polymorphism Is Associated With Endothelial Dysfunction in Normal Humans, 1164
Estrogen Regulation of Angiotensin-Converting Enzyme mRNA, 323
G-Protein β3 Subunit C825T Variant and Ambulatory Blood Pressure in Essential Hypertension, 1049
Increased Chymase-Dependent Angiotensin II Formation in Human Atherosclerotic Aorta, 1399
Renal Changes on Hyperglycemia and Angiotensin-Converting Enzyme in Type 1 Diabetes, 775
Angiotensin-converting enzyme inhibitors
ACE Inhibitor Versus β-Blocker for the Treatment of Hypertension in Renal Allograft Recipients, 862
Bradykinin Stimulates Tissue Plasminogen Activator Release in Human Vasculature, 1431
Effect of ACE Inhibitor on DOCA-Salt– and Aortic Coarctation–Induced Hypertension in Mice: Do Kinin B_2 Receptors Play a Role? 329
Renal and Metabolic Clearance of *N*-Acetyl-Seryl-Aspartyl-Lysyl-Proline (AcSDKP) During Angiotensin-Converting Enzyme Inhibition in Humans, 879
Renal Characteristics and Effect of Angiotensin Suppression in Oral Contraceptive Users, 90
Angiotensin-converting enzyme inhibitors kininase II
Enhancement of Bradykinin and Resensitization of Its B_2 Receptor, 835
Angiotensin II
Angiotensin-(1–7) Reduces Smooth Muscle Growth After Vascular Injury, 207
Angiotensin II Receptor Blockade in Normotensive Subjects: A Direct Comparison of Three AT_1 Receptor Antagonists, 850
Angiotensin II Signaling in Vascular Smooth Muscle Cells Under High Glucose Conditions, 378
Angiotensin II Type 1 Receptor Antisense Gene Therapy Prevents Altered Renal Vascular Calcium Homeostasis in Hypertension, 360
Angiotensin II Type 1 Receptor–Mediated Peroxide Production in Human Macrophages, 335
Chronic Bradykinin Infusion and Receptor Blockade in Angiotensin II Hypertension in Rats, 830
Intracellular Sodium Modulates the Expression of Angiotensin II Subtype 2 Receptor in PC12W Cells, 626
Involvement of PYK2 in Angiotensin II Signaling of Vascular Smooth Muscle Cells, 201
Kidney Aminopeptidase A and Hypertension, Part I: Spontaneously Hypertensive Rats, 740
Kidney Aminopeptidase A and Hypertension, Part II: Effects of Angiotensin II, 746
Local Renal Medullary L-NAME Infusion Enhances the Effect of Long-Term Angiotensin II Treatment, 440
Local Renin-Angiotensin System Is Involved in K^+-Induced Aldosterone Secretion from Human Adrenocortical NCI-H295 Cells, 1025
Monocyte Infiltration and Adhesion Molecules in a Rat Model of High Human Renin Hypertension, 389
Protective Role of the Angiotensin AT_2 Receptor in a Renal Wrap Hypertension Model, 1237
Recent Progress in Angiotensin II Type 2 Receptor Research in the Cardiovascular System, 613
Roles of AT_1 and AT_2 Receptors in the Hypertensive *Ren*-2 Gene Transgenic Rat Kidney, 347
Salt-Sensitive Hypertension Develops After Short-Term Exposure to Angiotensin II, 1013
State-of-the-Art Lecture: Hypertension-Induced End-Organ Damage: A New Transgenic Approach to an Old Problem, 212
Angiotensin III
Kidney Aminopeptidase A and Hypertension, Part I: Spontaneously Hypertensive Rats, 740
Kidney Aminopeptidase A and Hypertension, Part II: Effects of Angiotensin II, 746
Angiotensin receptor
Angiotensin AT_1 Receptor Subtype as a Cardiac Target of Aldosterone: Role in Aldosterone-Salt–Induced Fibrosis, 981
Angiotensinogen
Angiotensinogen Gene Polymorphisms M235T/T174M: No Excess Transmission to Hypertensive Chinese, 698
Appropriate Regulation of Renin and Blood Pressure in 45-kb Human Renin/Human Angiotensinogen Transgenic Mice, 318
Effect of Chromosome 19 Transfer on Blood Pressure in the Spontaneously Hypertensive Rat, 256
Effects of Human Prorenin in Rats Transgenic for Human Angiotensinogen, 312
G-Protein β3 Subunit C825T Variant and Ambulatory Blood Pressure in Essential Hypertension, 1049
Role of C/A Polymorphism at −20 on the Expression of Human Angiotensinogen Gene, 108
Seven Lessons From Two Candidate Genes in Human Essential Hypertension: Angiotensinogen and Epithelial Sodium Channel, 1324
Type 2 Bradykinin-Receptor Antagonism Does Not Modify Kinin or Angiotensin Peptide Levels, 1233
Announcement
The *Hypertension Primer* Project: An Educational Experiment, 167
Antagonists
Kinin B_1 Receptor Antagonists Containing α-Methyl-L-Phenylalanine: In Vitro and In Vivo Antagonistic Activities, 823
Antibodies
Autoantibodies to OxLDL Are Decreased in Individuals With Borderline Hypertension, 53
Regulation of Angiotensin II Type 1 Receptor mRNA and Protein in Angiotensin II–Induced Hypertension, 340
Antihypertensive therapy
Effect of Treatment on Flow-Dependent Vasodilation of the Brachial Artery in Essential Hypertension, 575
Antisense
Antisense Inhibition of AT_1 Receptor in Vascular Smooth Muscle Cells Using Adeno-Associated Virus-Based Vector, 354
Antisense elements
Is Gene Therapy for Hypertension Possible? 8
Aorta
Angiotensin II Type 1 Receptor Antagonist Downregulates Nonmuscle Myosin Heavy Chains in Spontaneously Hypertensive Rat Aorta, 975
Mechanistic Differences of Various AT_1-Receptor Blockers in Isolated Vessels of Different Origin, 1406

Aortic stiffness
Aortic Pulse Wave Velocity as a Marker of Cardiovascular Risk in Hypertensive Patients, 1111
Apolipoproteins B
Association of an Apolipoprotein B Gene Marker With Essential Hypertension, 1052
Apoptosis
Interferon Regulatory Factors Regulate Interleukin-1β–Converting Enzyme Expression and Apoptosis in Vascular Smooth Muscle Cells, 162
p53-Mediated Upregulation of *BAX* Gene Transcription Is Not Involved in Bax-α Protein Overexpression in the Left Ventricle of Spontaneously Hypertensive Rats, 1348
Protection Against Necrosis but Not Apoptosis by Heat-Stress Proteins in Vascular Smooth Muscle Cells: Evidence for Distinct Modes of Cell Death, 906
Recent Progress in Angiotensin II Type 2 Receptor Research in the Cardiovascular System, 613
Arachidonic acid
Enhancement of Bradykinin and Resensitization of Its B_2 Receptor, 835
Role of Tyrosine Kinase and PKC in the Vasoconstrictor Response to 20-HETE in Renal Arterioles, 414
Arg16/Gly16 allele
β-2 Adrenergic Receptor Variants Affect Resting Blood Pressure and Agonist-Induced Vasodilation in Young Adult Caucasians, 1425
Arginine
A Large Blood Pressure–Raising Effect of Nitric Oxide Synthase Inhibition in Humans, 937
Renal Intramedullary Infusion of L-Arginine Prevents Reduction of Medullary Blood Flow and Hypertension in Dahl Salt-Sensitive Rats, 446
L-Arginine
Prolonged L-Arginine on Cardiovascular Mass and Myocardial Hemodynamics and Collagen in Aged Spontaneously Hypertensive Rats and Normal Rats, 451
Argipressin
An Enhanced Effect of Arginine Vasopressin in Bradykinin B_2 Receptor Null Mutant Mice, 1436
Arsenic
Hypertension and Arsenic Exposure in Bangladesh, 74
Arterial mechanics
Distribution of Lamellar Deformations: Implications for Properties of the Arterial Media, 806
Arterial occlusive diseases
Therapeutic Angiogenesis Induced by Human Recombinant Hepatocyte Growth Factor in Rabbit Hind Limb Ischemia Model as Cytokine Supplement Therapy, 1379
Arterial pressure
Pressor Response to Compression of the Ventrolateral Medulla Mediated by Glutamate Receptors, 1207
Role of Neuronal Nitric Oxide Synthase in Dahl Salt-Sensitive Hypertension, 456
Arterial stiffness
Distribution of Lamellar Deformations: Implications for Properties of the Arterial Media, 806
Arteries
Magnetic Resonance Angiography Versus Duplex Sonography for Diagnosing Renovascular Disease, 726
Role of AT_2 Receptors in Angiotensin II–Stimulated Contraction of Small Mesenteric Arteries in Young SHR, 366
Arteries, brachial
Effect of Treatment on Flow-Dependent Vasodilation of the Brachial Artery in Essential Hypertension, 575
Arteries, small
Mechanics and Composition of Human Subcutaneous Resistance Arteries in Essential Hypertension, 569
Arterioles
Afferent Arteriolar Vasodilation to the Sulfonimide Analog of 11,12-Epoxyeicosatrienoic Acid Involves Protein Kinase A, 408
Angiotensin II Type 1 Receptor Antisense Gene Therapy Prevents Altered Renal Vascular Calcium Homeostasis in Hypertension, 360
Neuronal Nitric Oxide Synthase-Dependent Afferent Arteriolar Function in Angiotensin II-Induced Hypertension, 462
Association study
Factor V Leiden and Thermolabile Methylenetetrahydrofolate Reductase Gene Variants in an East Anglian Preeclampsia Cohort, 1338
Atherosclerosis
Angiotensin II Type 1 Receptor–Mediated Peroxide Production in Human Macrophages, 335
Aortic Pulse Wave Velocity as a Marker of Cardiovascular Risk in Hypertensive Patients, 1111
Autoantibodies to OxLDL Are Decreased in Individuals With Borderline Hypertension, 53
Increased Chymase-Dependent Angiotensin II Formation in Human Atherosclerotic Aorta, 1399
TNF-α–Induced Migration of Vascular Smooth Muscle Cells Is MAPK Dependent, 183
ATP-sensitive K^+-channel
Intracellular Sodium Modulates the Expression of Angiotensin II Subtype 2 Receptor in PC12W Cells, 626
Atrial natriuretic factor
Variable Renal Atrial Natriuretic Factor Gene Expression in Hypertension, 1342
Atrial natriuretic peptide
Enhanced Natriuretic Response to Neutral Endopeptidase Inhibition in Heart-Transplant Recipients, 969
Autonomic nervous system
Effects of Amlodipine on Sympathetic Nerve Traffic and Baroreflex Control of Circulation in Heart Failure, 671
Interactions Between the Melanocortin System and Leptin in Control of Sympathetic Nerve Traffic, 542
Awards
Arthur C. Corcoran Memorial Lecturer 1998, 605
Harry Goldblatt Award 1998, 603
Hoechst Marion Roussel Hypertension Research Clinical Fellowship Award 1998, 598
Irvine Page-Alva Bradley Lifetime Achievement Award 1998, 600
Merck New Investigator Award 1998, 606
Novartis Award for Hypertension Research 1998, 601

B

Baclofen
Enhanced γ-Aminobutyric Acid–B Receptor Agonist Responses and mRNA Within the Nucleus of the Solitary Tract in Hypertension, 530
Barodenervation
Effect of Sinoaortic Deafferentation on Renal Wrap Hypertension, 476
Baroreceptors
Effects of Amlodipine on Sympathetic Nerve Traffic and Baroreflex Control of Circulation in Heart Failure, 671
Baroreflex
Arterial Baroreflex Control of the Sinus Node During Dobutamine Exercise Stress Testing, 987
Central Adrenomedullin Augments the Baroreceptor Reflex in Conscious Rabbits, 992
Diastolic Dysfunction and Baroreflex Sensitivity in Hypertension, 1141
***BAX* gene**
p53-Mediated Upregulation of *BAX* Gene Transcription Is Not Involved in Bax-α Protein Overexpression in the Left Ventricle of Spontaneously Hypertensive Rats, 1348
Binding sites, SF-1
Aldosterone Excretion Rate and Blood Pressure in Essential Hypertension Are Related to Polymorphic Differences in the Aldosterone Synthase Gene *CYP11B2*, 703
Binge drinking
Binge Drinking and Ambulatory Blood Pressure, 79
Bioassay
Kinin B_1 Receptor Antagonists Containing α-Methyl-L-Phenylalanine: In Vitro and In Vivo Antagonistic Activities, 823
Blacks
Maximum-Likelihood Generalized Heritability Estimate for Blood Pressure in Nigerian Families, 874
Blood flow
Renal Intramedullary Infusion of L-Arginine Prevents Reduction of Medullary Blood Flow and Hypertension in Dahl Salt-Sensitive Rats, 446

Role of Endothelin in the Increased Vascular Tone of Patients With Essential Hypertension, 753
Blood glucose
Diabetes and Cardiovascular Events in Hypertensive Patients, 1130
Blood pressure
α_1- and α_2-Adrenoceptor Control of Sodium Transport Reverses in Developing Hypertension, 524
Adducin Polymorphism Affects Renal Proximal Tubule Reabsorption in Hypertension, 694
Aldosterone Excretion Rate and Blood Pressure in Essential Hypertension Are Related to Polymorphic Differences in the Aldosterone Synthase Gene *CYP11B2*, 703
Arterial Baroreflex Control of the Sinus Node During Dobutamine Exercise Stress Testing, 987
Atrial Natriuretic Peptide Gene Delivery Reduces Stroke-Induced Mortality Rate in Dahl Salt-Sensitive Rats, 219
Binge Drinking and Ambulatory Blood Pressure, 79
Blood Pressure, Sodium Intake, Insulin Resistance, and Urinary Nitrate Excretion, 1008
Brain Mineralocorticoid Receptor Control of Blood Pressure and Kidney Function in Normotensive Rats, 1201
Cardiovascular Effects of Nociceptin in Unanesthetized Mice, 914
Cortisol Effects on Body Mass, Blood Pressure, and Cholesterol in the General Population, 1364
Descriptive Epidemiology of Blood Pressure Response to Change in Body Position: The ARIC Study, 1123
Diminished Wave Reflection in the Aorta: A Novel Physiological Action of Insulin on Large Blood Vessels, 1118
Effect of ACE Inhibitor on DOCA-Salt– and Aortic Coarctation–Induced Hypertension in Mice: Do Kinin B_2 Receptors Play a Role? 329
Effect of Chromosome 19 Transfer on Blood Pressure in the Spontaneously Hypertensive Rat, 256
The Effect of Chronic Coffee Drinking on Blood Pressure: A Meta-Analysis of Controlled Clinical Trials, 647
Effect of Treatment on Flow-Dependent Vasodilation of the Brachial Artery in Essential Hypertension, 575
Enhanced Blood Pressure Variability in eNOS Knockout Mice, 1359
Heart Rate and Subsequent Blood Pressure in Young Adults: The CARDIA Study, 640
Increased Central Angiotensin and Osmotic Responses in the Ren-2 Transgenic Rat, 385
Insulin Sensitivity Is Related to Physical Fitness and Exercise Blood Pressure to Structural Vascular Properties in Young Men, 781
A Large Blood Pressure–Raising Effect of Nitric Oxide Synthase Inhibition in Humans, 937
The Lys198Asn Polymorphism in the Endothelin-1 Gene Is Associated With Blood Pressure in Overweight People, 1169
Maximum-Likelihood Generalized Heritability Estimate for Blood Pressure in Nigerian Families, 874
Metformin Attenuates Salt-Induced Hypertension in Spontaneously Hypertensive Rats, 1135
Neuroendocrine Effects of Dehydration in Mice Lacking the Angiotensin AT1a Receptor, 482
Role of 20-HETE in Elevating Chloride Transport in the Thick Ascending Limb of Dahl SS/Jr Rats, 419
Seven Lessons From Two Candidate Genes in Human Essential Hypertension: Angiotensinogen and Epithelial Sodium Channel, 1324
Systemic Blockade of the Endothelin-B Receptor Increases Peripheral Vascular Resistance in Healthy Men, 581
Blood pressure monitoring
Effect of Alcohol Abstinence on Blood Pressure: Assessment by 24-Hour Ambulatory Blood Pressure Monitoring, 653
Postprandial Hypotension Is Associated With Asymptomatic Cerebrovascular Damage in Essential Hypertensive Patients, 565
Blood pressure monitoring, ambulatory
Binge Drinking and Ambulatory Blood Pressure, 79
Diastolic Dysfunction and Baroreflex Sensitivity in Hypertension, 1141
Effect of Alcohol Abstinence on Blood Pressure: Assessment by 24-Hour Ambulatory Blood Pressure Monitoring, 653
Effects of Coffee on Ambulatory Blood Pressure in Older Men and Women: A Randomized Controlled Trial, 869
Effects of Smoking Cessation on Blood Pressure and Heart Rate Variability in Habitual Smokers, 586
Estradiol With or Without Progesterone and Ambulatory Blood Pressure in Postmenopausal Women, 1190
G-Protein β3 Subunit C825T Variant and Ambulatory Blood Pressure in Essential Hypertension, 1049
Genetic Polymorphism of *CYP11B2* Gene and Hypertension in Japanese, 266
Race and Diurnal Blood Pressure Patterns: A Review and Meta-Analysis, 1099
Relation Between Body Fat–Corrected ECG Voltage and Ambulatory Blood Pressure in Patients With Essential Hypertension, 1159
Blood pressure variability
Postprandial Hypotension Is Associated With Asymptomatic Cerebrovascular Damage in Essential Hypertensive Patients, 565
Blood vessels
Recent Progress in Angiotensin II Type 2 Receptor Research in the Cardiovascular System, 613
Body mass index
The 825C/T Polymorphism of the G-Protein Subunit β3 Is Not Related to Hypertension, 1175
Alexithymia: A Facet of Essential Hypertension, 1057
Cortisol Effects on Body Mass, Blood Pressure, and Cholesterol in the General Population, 1364
Hypertension and Arsenic Exposure in Bangladesh, 74
The Lys198Asn Polymorphism in the Endothelin-1 Gene Is Associated With Blood Pressure in Overweight People, 1169
Prospective Analysis of Traits Related to 6-Year Change in Sodium-Lithium Countertransport, 887
Body temperature regulation
Thermoregulatory and Cardiac Responses of Infant Spontaneously Hypertensive and Wistar-Kyoto Rats to Cold Exposure, 1465
BQ 610
Inotropic Effects of Endothelin-1: Interaction With Molsidomine and With BQ 610, 145
Bradykinin
An Enhanced Effect of Arginine Vasopressin in Bradykinin B_2 Receptor Null Mutant Mice, 1436
Bradykinin Stimulates Tissue Plasminogen Activator Release in Human Vasculature, 1431
Chronic Bradykinin Infusion and Receptor Blockade in Angiotensin II Hypertension in Rats, 830
Long-Term Effects of Angiotensin-Converting Enzyme Inhibition on Renal Medullary Neutral Lipid in Spontaneously Hypertensive Rats, 1214
Protective Role of the Angiotensin AT_2 Receptor in a Renal Wrap Hypertension Model, 1237
Type 2 Bradykinin-Receptor Antagonism Does Not Modify Kinin or Angiotensin Peptide Levels, 1233
Brain
Handling $^{22}NaCl$ by the Blood-Brain Barrier and Kidney: Its Relevance to Salt-Induced Hypertension in Dahl Rats, 517
Increased Central Angiotensin and Osmotic Responses in the Ren-2 Transgenic Rat, 385
Interactions Between the Melanocortin System and Leptin in Control of Sympathetic Nerve Traffic, 542
Brown fat
Thermoregulatory and Cardiac Responses of Infant Spontaneously Hypertensive and Wistar-Kyoto Rats to Cold Exposure, 1465

C

C-Src
Involvement of PYK2 in Angiotensin II Signaling of Vascular Smooth Muscle Cells, 201
C825T polymorphism
The 825C/T Polymorphism of the G-Protein Subunit β3 Is Not Related to Hypertension, 1175
Ca^{2+} current
Angiotensin II Type 1 Receptor Antisense Gene Therapy Prevents Altered Renal Vascular Calcium Homeostasis in Hypertension, 360

Ca^{2+}, intracellular
Angiotensin II Type 1 Receptor Antisense Gene Therapy Prevents Altered Renal Vascular Calcium Homeostasis in Hypertension, 360
Enhancement of Bradykinin and Resensitization of Its B_2 Receptor, 835
Intracellular Sodium Modulates the Expression of Angiotensin II Subtype 2 Receptor in PC12W Cells, 626
Calcitonin gene–related peptide
Central Adrenomedullin Augments the Baroreceptor Reflex in Conscious Rabbits, 992
Calcium
α_1- and α_2-Adrenoceptor Control of Sodium Transport Reverses in Developing Hypertension, 524
Antisense Inhibition of AT_1 Receptor in Vascular Smooth Muscle Cells Using Adeno-Associated Virus-Based Vector, 354
Effect of Magnesium Deficiency on Blood Pressure and Mechanical Properties of Rat Carotid Artery, 1105
Calcium antagonists
Effects of Amlodipine on Sympathetic Nerve Traffic and Baroreflex Control of Circulation in Heart Failure, 671
Calcium channel blockers
Erythropoietin Depresses Nitric Oxide Synthase Expression by Human Endothelial Cells, 894
Calcium channels
Effects of Amlodipine and Cilnidipine on Cardiac Sympathetic Nervous System and Neurohormonal Status in Essential Hypertension, 1447
Calcium channels, L-type
Purinoceptor-Mediated Calcium Signaling in Preglomerular Smooth Muscle Cells, 195
Calcium, cytosolic
Purinoceptor-Mediated Calcium Signaling in Preglomerular Smooth Muscle Cells, 195
Cannabinoids
Mesenteric Vasodilation Mediated by Endothelial Anandamide Receptors, 429
Capillaries
Structural Skin Capillary Rarefaction in Essential Hypertension, 998
Capillaries, peritubular
Salt-Sensitive Hypertension Develops After Short-Term Exposure to Angiotensin II, 1013
Capsaicin
Antihypertensive Mechanisms Underlying a Novel Salt-Sensitive Hypertensive Model Induced by Sensory Denervation, 499
Captopril
Role of Aldosterone in Renal Vascular Injury in Stroke-Prone Hypertensive Rats, 232
Carbenoxolone
Maternal Hypertension and Progeny Blood Pressure: Role of Aldosterone and 11β-HSD, 1369
Carbonic anhydrase inhibition
Inhibition of Carbonic Anhydrase Accounts for the Direct Vascular Effects of Hydrochlorothiazide, 1043
Cardiac glycosides
Effects of Angiotensin II on Sodium Potassium Pumps, Endogenous Ouabain, and Aldosterone in Bovine Zona Glomerulosa Cells, 373
Cardiac mass
Genetic Determination of Cardiac Mass in Normotensive Rats: Results From an F344×WKY Cross, 949
Cardiac output
Clonidine Prevents Insulin Resistance and Hypertension in Obese Dogs, 548
Cardiovascular diseases
Diabetes and Cardiovascular Events in Hypertensive Patients, 1130
Phytoestrogens Inhibit Growth and MAP Kinase Activity in Human Aortic Smooth Muscle Cells, 177
Cardiovascular reactivity
Descriptive Epidemiology of Blood Pressure Response to Change in Body Position: The ARIC Study, 1123
Distinct and Combined Vascular Effects of ACE Blockade and HMG-CoA Reductase Inhibition in Hypertensive Subjects, 719
Cardiovascular risk
Aortic Pulse Wave Velocity as a Marker of Cardiovascular Risk in Hypertensive Patients, 1111
Cardiovascular system
Systemic Administration of Lipopolysaccharide Induces Release of Nitric Oxide and Glutamate and c-*fos* Expression in the Nucleus Tractus Solitarii of Rats, 1218
Carotid arteries
Assessment of Arterial Compliance by Carotid Midwall Strain-Stress Relation in Hypertension, 793
Assessment of Arterial Compliance by Carotid Midwall Strain-Stress Relation in Normotensive Adults, 787
Effect of Magnesium Deficiency on Blood Pressure and Mechanical Properties of Rat Carotid Artery, 1105
Case-control studies
Association of an Apolipoprotein B Gene Marker With Essential Hypertension, 1052
Catecholamines
α_1- and α_2-Adrenoceptor Control of Sodium Transport Reverses in Developing Hypertension, 524
β-Adrenergic Receptor Kinase-1 Levels in Catecholamine-Induced Myocardial Hypertrophy: Regulation by β- but not α_1-Adrenergic Stimulation, 396
Proadrenomedullin N-Terminal 20 Peptide (PAMP), Acting Through PAMP(12–20)-Sensitive Receptors, Inhibits Ca^{2+}-Dependent, Agonist-Stimulated Secretion of Human Adrenal Glands, 1185
CCAAT box
Novel *Cis* Element for Tissue-Specific Transcription of Rat Platelet-Derived Growth Factor β-Receptor Gene, 298
Cell culture
Effects of Angiotensin II on Sodium Potassium Pumps, Endogenous Ouabain, and Aldosterone in Bovine Zona Glomerulosa Cells, 373
Cell differentiation
AT_2 Receptor and Vascular Smooth Muscle Cell Differentiation in Vascular Development, 1414
Cell growth
Recent Progress in Angiotensin II Type 2 Receptor Research in the Cardiovascular System, 613
Cell hypoxia
Therapeutic Angiogenesis Induced by Human Recombinant Hepatocyte Growth Factor in Rabbit Hind Limb Ischemia Model as Cytokine Supplement Therapy, 1379
Cell proliferation
Protection Against Necrosis but Not Apoptosis by Heat-Stress Proteins in Vascular Smooth Muscle Cells: Evidence for Distinct Modes of Cell Death, 906
Cell signaling
Interleukin-1β Regulation of Inducible Nitric Oxide Synthase and Cyclooxygenase-2 Involves the p42/44 and p38 MAPK Signaling Pathways in Cardiac Myocytes, 276
Interleukin-1β Regulation of the Human Brain Natriuretic Peptide Promoter Involves Ras-, Rac-, and p38 Kinase–Dependent Pathways in Cardiac Myocytes, 283
Cell, endothelial
Therapeutic Angiogenesis Induced by Human Recombinant Hepatocyte Growth Factor in Rabbit Hind Limb Ischemia Model as Cytokine Supplement Therapy, 1379
Cells, tubular epithelial
Angiotensin-Converting Enzyme Is Upregulated in the Proximal Tubules of Rats With Intense Proteinuria, 732
Central nervous system
Central Adrenomedullin Augments the Baroreceptor Reflex in Conscious Rabbits, 992
Neuroendocrine Effects of Dehydration in Mice Lacking the Angiotensin AT1a Receptor, 482
Cerebral circulation
Loss of Endothelium and Receptor-Mediated Dilation in Pial Arterioles of Rats Fed a Short-Term High Salt Diet, 686
Cerebrospinal fluid
Handling $^{22}NaCl$ by the Blood-Brain Barrier and Kidney: Its Relevance to Salt-Induced Hypertension in Dahl Rats, 517
Cerebrovascular disorders
Influence of Heart Rate on Mortality in a French Population: Role of Age, Gender, and Blood Pressure, 44

Chemoreceptors
Human Obesity Is Characterized by a Selective Potentiation of Central Chemoreflex Sensitivity, 1153
Chinese
Linkage Analysis of Candidate Genes and Gene-Gene Interactions in Chinese Hypertensive Sib Pairs, 1332
Cholesterol
Cortisol Effects on Body Mass, Blood Pressure, and Cholesterol in the General Population, 1364
Chromosome
Genetic Determination of Cardiac Mass in Normotensive Rats: Results From an F344×WKY Cross, 949
Chronobiology
Race and Diurnal Blood Pressure Patterns: A Review and Meta-Analysis, 1099
Cilnidipine
Effects of Amlodipine and Cilnidipine on Cardiac Sympathetic Nervous System and Neurohormonal Status in Essential Hypertension, 1447
Circulation
Diminished Wave Reflection in the Aorta: A Novel Physiological Action of Insulin on Large Blood Vessels, 1118
***Cis* element**
Novel *Cis* Element for Tissue-Specific Transcription of Rat Platelet-Derived Growth Factor β-Receptor Gene, 298
Clinical trials
The Effect of Chronic Coffee Drinking on Blood Pressure: A Meta-Analysis of Controlled Clinical Trials, 647
Clonidine
Clonidine Prevents Insulin Resistance and Hypertension in Obese Dogs, 548
Coarctation, aortic
Effect of ACE Inhibitor on DOCA-Salt– and Aortic Coarctation–Induced Hypertension in Mice: Do Kinin B_2 Receptors Play a Role? 329
Coffee drinking
The Effect of Chronic Coffee Drinking on Blood Pressure: A Meta-Analysis of Controlled Clinical Trials, 647
Effects of Coffee on Ambulatory Blood Pressure in Older Men and Women: A Randomized Controlled Trial, 869
Colchicine
Direct Effects of Colchicine on Myocardial Function: Studies in Hypertrophied and Failing Spontaneously Hypertensive Rats, 60
Collagen
Adenosine Inhibits Collagen and Total Protein Synthesis in Vascular Smooth Muscle Cells, 190
Mechanics and Composition of Human Subcutaneous Resistance Arteries in Essential Hypertension, 569
Commentary
Editorial Commentary: Nitric Oxide Synthase Genes: Candidate Genes Among Many Others, 924
Need for a Revision of the Normal Limits of Resting Heart Rate, 622
Compliance
Age-Related Abnormalities in Arterial Compliance Identified by Pressure Pulse Contour Analysis: Aging and Arterial Compliance, 1392
Muscular Strength Training Is Associated With Low Arterial Compliance and High Pulse Pressure, 1385
Compliance, arterial
Assessment of Arterial Compliance by Carotid Midwall Strain-Stress Relation in Hypertension, 793
Assessment of Arterial Compliance by Carotid Midwall Strain-Stress Relation in Normotensive Adults, 787
Computer modeling
Diastolic Compliance Is Reduced in Obese Rabbits, 811
Contractility
Inotropic Effects of Endothelin-1: Interaction With Molsidomine and With BQ 610, 145
Controlled trial
Effects of Coffee on Ambulatory Blood Pressure in Older Men and Women: A Randomized Controlled Trial, 869
Coronary artery disease
Influence of Heart Rate on Mortality in a French Population: Role of Age, Gender, and Blood Pressure, 44
Coronary artery stenosis
The 825C/T Polymorphism of the G-Protein Subunit β3 Is Not Related to Hypertension, 1175
Coronary disease
Hypertension in Diet Versus Pharmacologically Treated Diabetics: Mortality Over a 5-Year Follow-Up, 1002
Cortisol
11β-Hydroxysteroid Dehydrogenase in Cultured Human Vascular Cells: Possible Role in the Development of Hypertension, 1179
Council Proceedings
Proceedings of the Council for High Blood Pressure Research, 1998, 169
Cyclic AMP
Afferent Arteriolar Vasodilation to the Sulfonimide Analog of 11,12-Epoxyeicosatrienoic Acid Involves Protein Kinase A, 408
Cyclic GMP
Afferent Arteriolar Vasodilation to the Sulfonimide Analog of 11,12-Epoxyeicosatrienoic Acid Involves Protein Kinase A, 408
Low Calorie Diet Enhances Renal, Hemodynamic, and Humoral Effects of Exogenous Atrial Natriuretic Peptide in Obese Hypertensives, 658
Protective Role of the Angiotensin AT_2 Receptor in a Renal Wrap Hypertension Model, 1237
Role of Nitric Oxide–cGMP Pathway in Adrenomedullin-Induced Vasodilation in the Rat, 689
Cyclosporine
ACE Inhibitor Versus β-Blocker for the Treatment of Hypertension in Renal Allograft Recipients, 862
CYP11B2
Genetic Polymorphism of *CYP11B2* Gene and Hypertension in Japanese, 266
Cytochrome P-450
Role of 20-HETE in Elevating Chloride Transport in the Thick Ascending Limb of Dahl SS/Jr Rats, 419
Role of Tyrosine Kinase and PKC in the Vasoconstrictor Response to 20-HETE in Renal Arterioles, 414
Cytokines
Increased Expression of Matrix Metalloproteinase-2 in the Thickened Intima of Aged Rats, 116
Interleukin-1β Regulation of the Human Brain Natriuretic Peptide Promoter Involves Ras-, Rac-, and p38 Kinase–Dependent Pathways in Cardiac Myocytes, 283
TNF-α–Induced Migration of Vascular Smooth Muscle Cells Is MAPK Dependent, 183
Troglitazone Upregulates Nitric Oxide Synthesis in Vascular Smooth Muscle Cells, 943

D

Denervation
Brain Mineralocorticoid Receptor Control of Blood Pressure and Kidney Function in Normotensive Rats, 1201
Deoxycorticosterone
Effect of ACE Inhibitor on DOCA-Salt– and Aortic Coarctation–Induced Hypertension in Mice: Do Kinin B_2 Receptors Play a Role? 329
Variable Renal Atrial Natriuretic Factor Gene Expression in Hypertension, 1342
Desensitization
β-Adrenergic Receptor Kinase-1 Levels in Catecholamine-Induced Myocardial Hypertrophy: Regulation by β- but not α_1-Adrenergic Stimulation, 396
Desmopressin
An Enhanced Effect of Arginine Vasopressin in Bradykinin B_2 Receptor Null Mutant Mice, 1436
Diabetes mellitus
Angiotensin II Signaling in Vascular Smooth Muscle Cells Under High Glucose Conditions, 378
Diabetes and Cardiovascular Events in Hypertensive Patients, 1130
Hypertension in Diet Versus Pharmacologically Treated Diabetics: Mortality Over a 5-Year Follow-Up, 1002
Diabetic nephropathy
Renal Changes on Hyperglycemia and Angiotensin-Converting Enzyme in Type 1 Diabetes, 775

Diastole
Effects of Candesartan and Cilazapril on Rats With Myocardial Infarction Assessed by Echocardiography, 961
Diastolic pressure-volume relationship
Diastolic Compliance Is Reduced in Obese Rabbits, 811
Dihydropyridines
Sympathoinhibitory Effects of Central Nifedipine in Spontaneously Hypertensive Rats on High Versus Regular Sodium Intake, 32
Diltiazem
Purinoceptor-Mediated Calcium Signaling in Preglomerular Smooth Muscle Cells, 195
Distribution of deformations
Distribution of Lamellar Deformations: Implications for Properties of the Arterial Media, 806
Diuresis
Brain Mineralocorticoid Receptor Control of Blood Pressure and Kidney Function in Normotensive Rats, 1201
Low Calorie Diet Enhances Renal, Hemodynamic, and Humoral Effects of Exogenous Atrial Natriuretic Peptide in Obese Hypertensives, 658
Dobutamine
Arterial Baroreflex Control of the Sinus Node During Dobutamine Exercise Stress Testing, 987

E

Echocardiography
Effects of Candesartan and Cilazapril on Rats With Myocardial Infarction Assessed by Echocardiography, 961
Irbesartan Reduces QT Dispersion in Hypertensive Individuals, 713
Stroke Volume/Pulse Pressure Ratio and Cardiovascular Risk in Arterial Hypertension, 800
Ultrasonic Myocardial Texture Versus Doppler Analysis in Hypertensive Heart: A Preliminary Study, 66
Edema, cerebral
Early-Onset But Not Late-Onset Endothelin-A–Receptor Blockade Can Modulate Hypertension, Cerebral Edema, and Proteinuria in Stroke-Prone Hypertensive Rats, 137
Editorials
Annual Progress Report: Our 20th Anniversary Celebration, 1
The Beginnings of *Hypertension*, 609
Council Honorees and the Nobel Prize: Our Continued Anniversary Celebration, 1323
Hypertension: The First Five Years, 607
Hypertension: The Present Years, 1097
Hypertension: The Second Five Years, 767
Hypertension: The Third Five Years, 922
Is Gene Therapy for Hypertension Possible? 8
Story of the Birth of the Journal Called *Hypertension*, 7
Elastic lamellae
Distribution of Lamellar Deformations: Implications for Properties of the Arterial Media, 806
Elastic modulus
Effect of Magnesium Deficiency on Blood Pressure and Mechanical Properties of Rat Carotid Artery, 1105
Mechanics and Composition of Human Subcutaneous Resistance Arteries in Essential Hypertension, 569
Elasticity
Mechanics and Composition of Human Subcutaneous Resistance Arteries in Essential Hypertension, 569
Elderly
Irbesartan Reduces QT Dispersion in Hypertensive Individuals, 713
Postprandial Hypotension Is Associated With Asymptomatic Cerebrovascular Damage in Essential Hypertensive Patients, 565
Electrocardiography
Relation Between Body Fat–Corrected ECG Voltage and Ambulatory Blood Pressure in Patients With Essential Hypertension, 1159
Electrolytes
Brain Mineralocorticoid Receptor Control of Blood Pressure and Kidney Function in Normotensive Rats, 1201
Enalapril
Enalapril Prevents Tubulointerstitial Lesions by Hyperoxaluria, 225
Endopeptidase, neutral
CGRP Activates Renal Pelvic Substance P Receptors by Retarding Substance P Metabolism, 493
Endothelial cells
Enhancement of Bradykinin and Resensitization of Its B_2 Receptor, 835
Endothelial factors
Differential Expression of Renal Nitric Oxide Synthase Isoforms During Pregnancy in Rats, 435
Endothelial function
Insulin-Mediated Vasodilation and Glucose Uptake Are Functionally Linked in Humans, 554
Endothelin
Early-Onset But Not Late-Onset Endothelin-A–Receptor Blockade Can Modulate Hypertension, Cerebral Edema, and Proteinuria in Stroke-Prone Hypertensive Rats, 137
Endothelin System–Dependent Cardiac Remodeling in Renovascular Hypertension, 816
Inotropic Effects of Endothelin-1: Interaction With Molsidomine and With BQ 610, 145
The Lys198Asn Polymorphism in the Endothelin-1 Gene Is Associated With Blood Pressure in Overweight People, 1169
Mechanisms of FK 506–Induced Hypertension in the Rat, 130
Role of Endothelin in the Increased Vascular Tone of Patients With Essential Hypertension, 753
Stimulation of the Renin-Angiotensin System by Endothelin Subtype A Receptor Blockade in Conscious Dogs, 1420
Systemic Blockade of the Endothelin-B Receptor Increases Peripheral Vascular Resistance in Healthy Men, 581
Endothelin-converting enzyme
Mechanisms of FK 506–Induced Hypertension in the Rat, 130
Endothelin receptor antagonist
Mechanisms of FK 506–Induced Hypertension in the Rat, 130
Systemic Blockade of the Endothelin-B Receptor Increases Peripheral Vascular Resistance in Healthy Men, 581
Endothelium
Angiotensin-Converting Enzyme Inhibition Restores Hepatocyte Growth Factor Production in Patients With Congestive Heart Failure, 1374
Bradykinin Stimulates Tissue Plasminogen Activator Release in Human Vasculature, 1431
Daily Aerobic Exercise Improves Reactive Hyperemia in Patients With Essential Hypertension, 591
DD Angiotensin-Converting Enzyme Gene Polymorphism Is Associated With Endothelial Dysfunction in Normal Humans, 1164
Enhanced Blood Pressure Variability in eNOS Knockout Mice, 1359
Erythropoietin Depresses Nitric Oxide Synthase Expression by Human Endothelial Cells, 894
Evidence for Peroxynitrite Formation in the Vasculature of Women With Preeclampsia, 83
Loss of Endothelium and Receptor-Mediated Dilation in Pial Arterioles of Rats Fed a Short-Term High Salt Diet, 686
Role of Increased Production of Superoxide Anions by NAD(P)H Oxidase and Xanthine Oxidase in Prolonged Endotoxemia, 1243
Role of Nitric Oxide–cGMP Pathway in Adrenomedullin-Induced Vasodilation in the Rat, 689
State-of-the-Art Lecture: Hypertension-Induced End-Organ Damage: A New Transgenic Approach to an Old Problem, 212
Superoxide Anion Production Is Increased in a Model of Genetic Hypertension: Role of the Endothelium, 1353
Endothelium-derived hyperpolarizing factor
Afferent Arteriolar Vasodilation to the Sulfonimide Analog of 11,12-Epoxyeicosatrienoic Acid Involves Protein Kinase A, 408
Endothelium-derived relaxing factor
Erythropoietin Depresses Nitric Oxide Synthase Expression by Human Endothelial Cells, 894
Endotoxin
Mesenteric Vasodilation Mediated by Endothelial Anandamide Receptors, 429
Systemic Administration of Lipopolysaccharide Induces Release of Nitric Oxide and Glutamate and c-*fos* Expression in the Nucleus Tractus Solitarii of Rats, 1218
Environment
Hypertension and Arsenic Exposure in Bangladesh, 74
Epidemiology
Descriptive Epidemiology of Blood Pressure Response to Change in Body Position: The ARIC Study, 1123
Hypertension and Arsenic Exposure in Bangladesh, 74

Epidermal growth factors
Involvement of PYK2 in Angiotensin II Signaling of Vascular Smooth Muscle Cells, 201
Epinephrine
α_1- and α_2-Adrenoceptor Control of Sodium Transport Reverses in Developing Hypertension, 524
A Test of the "Epinephrine Hypothesis" in Humans, 36
Erythropoietin
Erythropoietin Depresses Nitric Oxide Synthase Expression by Human Endothelial Cells, 894
Estrogen
Estrogen Regulation of Angiotensin-Converting Enzyme mRNA, 323
Genetic and Gender Influences on Sensitivity to Focal Cerebral Ischemia in the Stroke-Prone Spontaneously Hypertensive Rat, 681
Hormones and Vasoprotection, 170
Phytoestrogens Inhibit Growth and MAP Kinase Activity in Human Aortic Smooth Muscle Cells, 177
Role of C/A Polymorphism at −20 on the Expression of Human Angiotensinogen Gene, 108
Estrus
Genetic and Gender Influences on Sensitivity to Focal Cerebral Ischemia in the Stroke-Prone Spontaneously Hypertensive Rat, 681
Ethnic groups
Race and Diurnal Blood Pressure Patterns: A Review and Meta-Analysis, 1099
Euglycemic clamp
Insulin-Mediated Vasodilation and Glucose Uptake Are Functionally Linked in Humans, 554
Excitation-contraction coupling
Angiotensin II Type 1 Receptor Antisense Gene Therapy Prevents Altered Renal Vascular Calcium Homeostasis in Hypertension, 360
Exercise
Arterial Baroreflex Control of the Sinus Node During Dobutamine Exercise Stress Testing, 987
Insulin Sensitivity Is Related to Physical Fitness and Exercise Blood Pressure to Structural Vascular Properties in Young Men, 781
Muscular Strength Training Is Associated With Low Arterial Compliance and High Pulse Pressure, 1385
Exercise, aerobic
Daily Aerobic Exercise Improves Reactive Hyperemia in Patients With Essential Hypertension, 591
Extracellular matrix
Adenosine Inhibits Collagen and Total Protein Synthesis in Vascular Smooth Muscle Cells, 190

F

Factor V
Factor V Leiden and Thermolabile Methylenetetrahydrofolate Reductase Gene Variants in an East Anglian Preeclampsia Cohort, 1338
Family history
High Stress Responsivity Predicts Later Blood Pressure Only in Combination With Positive Family History and High Life Stress, 1458
Fibroblast
Hormones and Vasoprotection, 170
Fibronectin
Monocyte Infiltration and Adhesion Molecules in a Rat Model of High Human Renin Hypertension, 389
Fibrosis
Angiotensin AT_1 Receptor Subtype as a Cardiac Target of Aldosterone: Role in Aldosterone-Salt–Induced Fibrosis, 981
Finnish population
Evidence for Involvement of the Type 1 Angiotensin II Receptor Locus in Essential Hypertension, 844
FK 506
Mechanisms of FK 506–Induced Hypertension in the Rat, 130
Focal cerebral ischemia
Genetic and Gender Influences on Sensitivity to Focal Cerebral Ischemia in the Stroke-Prone Spontaneously Hypertensive Rat, 681
Forearm blood flow
Insulin-Mediated Vasodilation and Glucose Uptake Are Functionally Linked in Humans, 554
Function, myocardial
Direct Effects of Colchicine on Myocardial Function: Studies in Hypertrophied and Failing Spontaneously Hypertensive Rats, 60

G

G protein–coupled receptor kinases
β-Adrenergic Receptor Kinase-1 Levels in Catecholamine-Induced Myocardial Hypertrophy: Regulation by β- but not α_1-Adrenergic Stimulation, 396
G proteins
The 825C/T Polymorphism of the G-Protein Subunit β3 Is Not Related to Hypertension, 1175
Enhancement of Bradykinin and Resensitization of Its B_2 Receptor, 835
Gel electrophoresis
Effect of Chronic Salt Loading on Adenosine Metabolism and Receptor Expression in Renal Cortex and Medulla in Rats, 511
Gender
Genetic and Gender Influences on Sensitivity to Focal Cerebral Ischemia in the Stroke-Prone Spontaneously Hypertensive Rat, 681
Hormones and Vasoprotection, 170
Gene delivery
Atrial Natriuretic Peptide Gene Delivery Reduces Stroke-Induced Mortality Rate in Dahl Salt-Sensitive Rats, 219
Gene expression
Appropriate Regulation of Renin and Blood Pressure in 45-kb Human Renin/Human Angiotensinogen Transgenic Mice, 318
Chronic ET_A Receptor Blockade Attenuates Cardiac Hypertrophy Independently of Blood Pressure Effects in Renovascular Hypertensive Rats, 954
Regulation of Angiotensin II Type 1 Receptor mRNA and Protein in Angiotensin II–Induced Hypertension, 340
State-of-the-Art Lecture: Genomics and Hypertension: Concepts, Potentials, and Opportunities, 238
Ventricular Adrenomedullin Levels Correlate With the Extent of Cardiac Hypertrophy in Rats, 1146
Gene expression regulation
Human Renin mRNA Stability Is Increased in Response to cAMP in Calu-6 Cells, 900
Gene polymorphism
TGF-β_1 DNA Polymorphisms, Protein Levels, and Blood Pressure, 271
Gene regulation
Effect of ACE Inhibitor on DOCA-Salt– and Aortic Coarctation–Induced Hypertension in Mice: Do Kinin B_2 Receptors Play a Role? 329
Estrogen Regulation of Angiotensin-Converting Enzyme mRNA, 323
Role of C/A Polymorphism at −20 on the Expression of Human Angiotensinogen Gene, 108
Gene therapy
Angiotensin II Type 1 Receptor Antisense Gene Therapy Prevents Altered Renal Vascular Calcium Homeostasis in Hypertension, 360
Gene transcription
Novel *Cis* Element for Tissue-Specific Transcription of Rat Platelet-Derived Growth Factor β-Receptor Gene, 298
Genes
Adducin Polymorphism Affects Renal Proximal Tubule Reabsorption in Hypertension, 694
DD Angiotensin-Converting Enzyme Gene Polymorphism Is Associated With Endothelial Dysfunction in Normal Humans, 1164
Effects of Candesartan and Cilazapril on Rats With Myocardial Infarction Assessed by Echocardiography, 961
Genes Encoding Atrial and Brain Natriuretic Peptides as Candidates for Sensitivity to Brain Ischemia in Stroke-Prone Hypertensive Rats, 290
Genetic Determination of Cardiac Mass in Normotensive Rats: Results From an F344×WKY Cross, 949

High Stress Responsivity Predicts Later Blood Pressure Only in Combination With Positive Family History and High Life Stress, 1458
Is Gene Therapy for Hypertension Possible? 8
The Lys198Asn Polymorphism in the Endothelin-1 Gene Is Associated With Blood Pressure in Overweight People, 1169
Role of C/A Polymorphism at −20 on the Expression of Human Angiotensinogen Gene, 108
Role of Chromosome X in the Sabra Rat Model of Salt-Sensitive Hypertension, 261
State-of-the-Art Lecture: Genomics and Hypertension: Concepts, Potentials, and Opportunities, 238
Transcriptional Regulation of the Rat Renin Gene by Regulatory Elements in Intron I, 303

Genetics
Association of an Apolipoprotein B Gene Marker With Essential Hypertension, 1052
Effect of Chromosome 19 Transfer on Blood Pressure in the Spontaneously Hypertensive Rat, 256
G-Protein β3 Subunit C825T Variant and Ambulatory Blood Pressure in Essential Hypertension, 1049
Genes Encoding Atrial and Brain Natriuretic Peptides as Candidates for Sensitivity to Brain Ischemia in Stroke-Prone Hypertensive Rats, 290
Genetic Determination of Cardiac Mass in Normotensive Rats: Results From an F344×WKY Cross, 949
Genetic Polymorphism of *CYP11B2* Gene and Hypertension in Japanese, 266
Increased Central Angiotensin and Osmotic Responses in the Ren-2 Transgenic Rat, 385
Lack of Evidence for Association Between the Endothelial Nitric Oxide Synthase Gene and Hypertension, 933
Linkage Analysis of Candidate Genes and Gene-Gene Interactions in Chinese Hypertensive Sib Pairs, 1332
Renal Changes on Hyperglycemia and Angiotensin-Converting Enzyme in Type 1 Diabetes, 775
Seven Lessons From Two Candidate Genes in Human Essential Hypertension: Angiotensinogen and Epithelial Sodium Channel, 1324
State-of-the-Art Lecture: Genomics and Hypertension: Concepts, Potentials, and Opportunities, 238

Genetics, biochemical
Different Frequencies of Inducible Nitric Oxide Synthase Genotypes in Older Hypertensives, 927

Genetics, population
Maximum-Likelihood Generalized Heritability Estimate for Blood Pressure in Nigerian Families, 874

Genome
Role of Chromosome X in the Sabra Rat Model of Salt-Sensitive Hypertension, 261

Gestation
Maternal Hypertension and Progeny Blood Pressure: Role of Aldosterone and 11β-HSD, 1369

Glomerular disease
Renal Changes on Hyperglycemia and Angiotensin-Converting Enzyme in Type 1 Diabetes, 775

Glomerular filtration rate
Differential Expression of Renal Nitric Oxide Synthase Isoforms During Pregnancy in Rats, 435
Hyperglycemia and Angiotensin-Mediated Control of the Renal Circulation in Healthy Humans, 559
Proximal Tubular Angiotensin II Levels and Renal Functional Responses to AT_1 Receptor Blockade in Nonclipped Kidneys of Goldblatt Hypertensive Rats, 102
Role of Neuronal Nitric Oxide Synthase in Dahl Salt-Sensitive Hypertension, 456

Glucocorticoids
Cortisol Effects on Body Mass, Blood Pressure, and Cholesterol in the General Population, 1364
Maternal Hypertension and Progeny Blood Pressure: Role of Aldosterone and 11β-HSD, 1369

Growth factors
Angiotensin-Converting Enzyme Inhibition Restores Hepatocyte Growth Factor Production in Patients With Congestive Heart Failure, 1374

Growth substances
Interferon Regulatory Factors Regulate Interleukin-1β–Converting Enzyme Expression and Apoptosis in Vascular Smooth Muscle Cells, 162

GTP-binding proteins
C-Type Natriuretic Peptide Attenuates Evoked Dopamine Efflux by Influencing $G_o\alpha$, 124

Guanylyl cyclase
C-Type Natriuretic Peptide Attenuates Evoked Dopamine Efflux by Influencing $G_o\alpha$, 124

Gubbio Population Study
Prospective Analysis of Traits Related to 6-Year Change in Sodium-Lithium Countertransport, 887

H

Heart
Angiotensin AT_1 Receptor Subtype as a Cardiac Target of Aldosterone: Role in Aldosterone-Salt–Induced Fibrosis, 981
Diastolic Compliance Is Reduced in Obese Rabbits, 811
Effect of Ceramide on K_{Ca} Channel Activity and Vascular Tone in Coronary Arteries, 1441
Myocardial Osteopontin Expression Coincides With the Development of Heart Failure, 663
Recent Progress in Angiotensin II Type 2 Receptor Research in the Cardiovascular System, 613

Heart failure
Angiotensin-Converting Enzyme Inhibition Restores Hepatocyte Growth Factor Production in Patients With Congestive Heart Failure, 1374
Direct Effects of Colchicine on Myocardial Function: Studies in Hypertrophied and Failing Spontaneously Hypertensive Rats, 60
Effects of Amlodipine on Sympathetic Nerve Traffic and Baroreflex Control of Circulation in Heart Failure, 671
Gender-Related Differences in Myocyte Remodeling in Progression to Heart Failure, 676
The Myocardial β-Adrenergic System in Spontaneously Hypertensive Heart Failure (SHHF) Rats, 402
Myocardial Osteopontin Expression Coincides With the Development of Heart Failure, 663

Heart rate
Cardiovascular Effects of Nociceptin in Unanesthetized Mice, 914
Effects of Smoking Cessation on Blood Pressure and Heart Rate Variability in Habitual Smokers, 586
Heart Rate and Subsequent Blood Pressure in Young Adults: The CARDIA Study, 640
Influence of Heart Rate on Mortality in a French Population: Role of Age, Gender, and Blood Pressure, 44
Metformin Attenuates Salt-Induced Hypertension in Spontaneously Hypertensive Rats, 1135
Parental Hyperdynamic Circulation Predicts Insulin Resistance in Offspring: The Tecumseh Offspring Study, 769
Thermoregulatory and Cardiac Responses of Infant Spontaneously Hypertensive and Wistar-Kyoto Rats to Cold Exposure, 1465

Heart rate variability
Effects of Smoking Cessation on Blood Pressure and Heart Rate Variability in Habitual Smokers, 586

Heart rate, resting
Need for a Revision of the Normal Limits of Resting Heart Rate, 622

Heat-stress proteins
Protection Against Necrosis but Not Apoptosis by Heat-Stress Proteins in Vascular Smooth Muscle Cells: Evidence for Distinct Modes of Cell Death, 906

Hemodynamics
Chronic Bradykinin Infusion and Receptor Blockade in Angiotensin II Hypertension in Rats, 830
Handling $^{22}NaCl$ by the Blood-Brain Barrier and Kidney: Its Relevance to Salt-Induced Hypertension in Dahl Rats, 517
Parental Hyperdynamic Circulation Predicts Insulin Resistance in Offspring: The Tecumseh Offspring Study, 769
Structural Autoregulation of Terminal Vascular Beds: Vascular Adaptation and Development of Hypertension, 153

Hemodynamics, coronary
Prolonged L-Arginine on Cardiovascular Mass and Myocardial Hemodynamics and Collagen in Aged Spontaneously Hypertensive Rats and Normal Rats, 451
Hepatocyte growth factor
Therapeutic Angiogenesis Induced by Human Recombinant Hepatocyte Growth Factor in Rabbit Hind Limb Ischemia Model as Cytokine Supplement Therapy, 1379
Hindlimbs
Effects of Human Prorenin in Rats Transgenic for Human Angiotensinogen, 312
Hormone replacement
Estrogen Regulation of Angiotensin-Converting Enzyme mRNA, 323
Hormones
Hormones and Vasoprotection, 170
Hormones, cardiac
Enhanced Natriuretic Response to Neutral Endopeptidase Inhibition in Heart-Transplant Recipients, 969
Human
Adducin Polymorphism Affects Renal Proximal Tubule Reabsorption in Hypertension, 694
Angiotensin II Receptor Blockade in Normotensive Subjects: A Direct Comparison of Three AT_1 Receptor Antagonists, 850
Kinin B_1 Receptor Antagonists Containing α-Methyl-L-Phenylalanine: In Vitro and In Vivo Antagonistic Activities, 823
Human development
AT_2 Receptor and Vascular Smooth Muscle Cell Differentiation in Vascular Development, 1414
Human Genome Project
State-of-the-Art Lecture: Genomics and Hypertension: Concepts, Potentials, and Opportunities, 238
Human study
Insulin-Mediated Vasodilation and Glucose Uptake Are Functionally Linked in Humans, 554
Hybridization
Genes Encoding Atrial and Brain Natriuretic Peptides as Candidates for Sensitivity to Brain Ischemia in Stroke-Prone Hypertensive Rats, 290
Hydrochlorothiazide
Inhibition of Carbonic Anhydrase Accounts for the Direct Vascular Effects of Hydrochlorothiazide, 1043
11α-hydroxyprogesterone
Maternal Hypertension and Progeny Blood Pressure: Role of Aldosterone and 11β-HSD, 1369
11β-hydroxysteroid dehydrogenase
11β-Hydroxysteroid Dehydrogenase in Cultured Human Vascular Cells: Possible Role in the Development of Hypertension, 1179
Maternal Hypertension and Progeny Blood Pressure: Role of Aldosterone and 11β-HSD, 1369
5-hydroxytryptamine
Effects of Vasodilatory β-Adrenoceptor Antagonists on Endothelium-Derived Nitric Oxide Release in Rat Kidney, 467
Hypercapnia
Human Obesity Is Characterized by a Selective Potentiation of Central Chemoreflex Sensitivity, 1153
Hypercholesterolemia
Distinct and Combined Vascular Effects of ACE Blockade and HMG-CoA Reductase Inhibition in Hypertensive Subjects, 719
Hyperemia, reactive
Daily Aerobic Exercise Improves Reactive Hyperemia in Patients With Essential Hypertension, 591
Hyperglycemia
Angiotensin II Signaling in Vascular Smooth Muscle Cells Under High Glucose Conditions, 378
Hyperglycemia and Angiotensin-Mediated Control of the Renal Circulation in Healthy Humans, 559
Hyperoxaluria
Enalapril Prevents Tubulointerstitial Lesions by Hyperoxaluria, 225
Hyperplasia
Angiotensin-(1–7) Reduces Smooth Muscle Growth After Vascular Injury, 207
Hypertension
α_1- and α_2-Adrenoceptor Control of Sodium Transport Reverses in Developing Hypertension, 524
ACE Inhibitor Versus β-Blocker for the Treatment of Hypertension in Renal Allograft Recipients, 862
Altered Pressure-Natriuresis in Obese Zucker Rats, 1470
Distinct and Combined Vascular Effects of ACE Blockade and HMG-CoA Reductase Inhibition in Hypertensive Subjects, 719
Enhanced Natriuretic Response to Neutral Endopeptidase Inhibition in Heart-Transplant Recipients, 969
Erythropoietin Depresses Nitric Oxide Synthase Expression by Human Endothelial Cells, 894
Estradiol With or Without Progesterone and Ambulatory Blood Pressure in Postmenopausal Women, 1190
Heart Rate and Subsequent Blood Pressure in Young Adults: The CARDIA Study, 640
Hypertension in Diet Versus Pharmacologically Treated Diabetics: Mortality Over a 5-Year Follow-Up, 1002
Hyponatremic-Hypertensive Syndrome With Renal Ischemia: An Underrecognized Disorder, 1020
Kidney Aminopeptidase A and Hypertension, Part I: Spontaneously Hypertensive Rats, 740
Low Calorie Diet Enhances Renal, Hemodynamic, and Humoral Effects of Exogenous Atrial Natriuretic Peptide in Obese Hypertensives, 658
Mechanisms of FK 506–Induced Hypertension in the Rat, 130
Normotensive Salt Sensitivity: Effects of Race and Dietary Potassium, 18
Paracrine Role of Adventitial Superoxide Anion in Mediating Spontaneous Tone of the Isolated Rat Aorta in Angiotensin II-Induced Hypertension, 1225
Parental Hyperdynamic Circulation Predicts Insulin Resistance in Offspring: The Tecumseh Offspring Study, 769
Prolonged L-Arginine on Cardiovascular Mass and Myocardial Hemodynamics and Collagen in Aged Spontaneously Hypertensive Rats and Normal Rats, 451
Role of Aldosterone in Renal Vascular Injury in Stroke-Prone Hypertensive Rats, 232
Role of AT_2 Receptors in Angiotensin II–Stimulated Contraction of Small Mesenteric Arteries in Young SHR, 366
Sympathoinhibitory Effects of Central Nifedipine in Spontaneously Hypertensive Rats on High Versus Regular Sodium Intake, 32
Update on the Systolic Hypertension in Europe (Syst-Eur) Trial, 1476
Hypertension detection and control
Diabetes and Cardiovascular Events in Hypertensive Patients, 1130
Hypertension, alcohol-induced
Effect of Alcohol Abstinence on Blood Pressure: Assessment by 24-Hour Ambulatory Blood Pressure Monitoring, 653
Hypertension, arterial
Angiotensin II Type 1 Receptor Antagonist Downregulates Nonmuscle Myosin Heavy Chains in Spontaneously Hypertensive Rat Aorta, 975
Clonidine Prevents Insulin Resistance and Hypertension in Obese Dogs, 548
Enhanced Blood Pressure Variability in eNOS Knockout Mice, 1359
Stroke Volume/Pulse Pressure Ratio and Cardiovascular Risk in Arterial Hypertension, 800
Ultrasonic Myocardial Texture Versus Doppler Analysis in Hypertensive Heart: A Preliminary Study, 66
Hypertension, borderline
Autoantibodies to OxLDL Are Decreased in Individuals With Borderline Hypertension, 53
Hypertension, chronic
Assessment of Arterial Compliance by Carotid Midwall Strain-Stress Relation in Hypertension, 793
Effects of an Angiotensin-Converting Enzyme Inhibitor and a β-Blocker on Cerebral Arterioles in Rats, 856
Hypertension, DOCA-salt
Different Contributions of Endothelin-A and Endothelin-B Receptors in the Pathogenesis of Deoxycorticosterone Acetate–Salt–Induced Hypertension in Rats, 759
Hypertension, essential
β-2 Adrenergic Receptor Variants Affect Resting Blood Pressure and Agonist-Induced Vasodilation in Young Adult Caucasians, 1425
11β-Hydroxysteroid Dehydrogenase in Cultured Human Vascular Cells: Possible Role in the Development of Hypertension, 1179
The 825C/T Polymorphism of the G-Protein Subunit β3 Is Not Related to Hypertension, 1175

Alexithymia: A Facet of Essential Hypertension, 1057
Angiotensinogen Gene Polymorphisms M235T/T174M: No Excess Transmission to Hypertensive Chinese, 698
Aortic Pulse Wave Velocity as a Marker of Cardiovascular Risk in Hypertensive Patients, 1111
Association of an Apolipoprotein B Gene Marker With Essential Hypertension, 1052
Daily Aerobic Exercise Improves Reactive Hyperemia in Patients With Essential Hypertension, 591
Different Frequencies of Inducible Nitric Oxide Synthase Genotypes in Older Hypertensives, 927
Effect of Treatment on Flow-Dependent Vasodilation of the Brachial Artery in Essential Hypertension, 575
Epithelial Sodium Channel Activity Is Not Increased in Hypertension in Whites, 1031
Evidence for Involvement of the Type 1 Angiotensin II Receptor Locus in Essential Hypertension, 844
G-Protein β3 Subunit C825T Variant and Ambulatory Blood Pressure in Essential Hypertension, 1049
High Stress Responsivity Predicts Later Blood Pressure Only in Combination With Positive Family History and High Life Stress, 1458
Irbesartan Reduces QT Dispersion in Hypertensive Individuals, 713
Is Gene Therapy for Hypertension Possible? 8
Lack of Evidence for Association Between the Endothelial Nitric Oxide Synthase Gene and Hypertension, 933
Linkage Analysis of Candidate Genes and Gene-Gene Interactions in Chinese Hypertensive Sib Pairs, 1332
Maternal Hypertension and Progeny Blood Pressure: Role of Aldosterone and 11β-HSD, 1369
Renal Characteristics and Effect of Angiotensin Suppression in Oral Contraceptive Users, 90
Role of Endothelin in the Increased Vascular Tone of Patients With Essential Hypertension, 753
Seven Lessons From Two Candidate Genes in Human Essential Hypertension: Angiotensinogen and Epithelial Sodium Channel, 1324
Structural Skin Capillary Rarefaction in Essential Hypertension, 998

Hypertension, experimental
Effect of Chromosome 19 Transfer on Blood Pressure in the Spontaneously Hypertensive Rat, 256
The Myocardial β-Adrenergic System in Spontaneously Hypertensive Heart Failure (SHHF) Rats, 402
Thermoregulatory and Cardiac Responses of Infant Spontaneously Hypertensive and Wistar-Kyoto Rats to Cold Exposure, 1465

Hypertension, genetic
Adducin Polymorphism Affects Renal Proximal Tubule Reabsorption in Hypertension, 694
The Lys198Asn Polymorphism in the Endothelin-1 Gene Is Associated With Blood Pressure in Overweight People, 1169
Telemetry For Cardiovascular Monitoring in a Pharmacological Study: New Approaches to Data Analysis, 248

Hypertension, low-renin
Genetic Polymorphism of *CYP11B2* Gene and Hypertension in Japanese, 266

Hypertension, mild
Diabetes and Cardiovascular Events in Hypertensive Patients, 1130

Hypertension, renal
Differential Regulation of Renal Angiotensin Subtype AT_{1A} and AT_2 Receptor Protein in Rats With Angiotensin-Dependent Hypertension, 96
Enhanced γ-Aminobutyric Acid–B Receptor Agonist Responses and mRNA Within the Nucleus of the Solitary Tract in Hypertension, 530
Local Renal Medullary L-NAME Infusion Enhances the Effect of Long-Term Angiotensin II Treatment, 440
Proximal Tubular Angiotensin II Levels and Renal Functional Responses to AT_1 Receptor Blockade in Nonclipped Kidneys of Goldblatt Hypertensive Rats, 102
Renal Intramedullary Infusion of L-Arginine Prevents Reduction of Medullary Blood Flow and Hypertension in Dahl Salt-Sensitive Rats, 446
Variable Renal Atrial Natriuretic Factor Gene Expression in Hypertension, 1342

Hypertension, renovascular
Chronic ET_A Receptor Blockade Attenuates Cardiac Hypertrophy Independently of Blood Pressure Effects in Renovascular Hypertensive Rats, 954
Endothelin System–Dependent Cardiac Remodeling in Renovascular Hypertension, 816
Magnetic Resonance Angiography Versus Duplex Sonography for Diagnosing Renovascular Disease, 726
Protective Role of the Angiotensin AT_2 Receptor in a Renal Wrap Hypertension Model, 1237

Hypertension, salt-sensitive
Antihypertensive Mechanisms Underlying a Novel Salt-Sensitive Hypertensive Model Induced by Sensory Denervation, 499
Role of 20-HETE in Elevating Chloride Transport in the Thick Ascending Limb of Dahl SS/Jr Rats, 419

Hypertension, sodium dependent
Blood Pressure, Sodium Intake, Insulin Resistance, and Urinary Nitrate Excretion, 1008
Role of the α_{2B}-Adrenergic Receptor in the Development of Salt-Induced Hypertension, 14
Salt-Sensitive Hypertension Develops After Short-Term Exposure to Angiotensin II, 1013

Hypertension, systemic
Diastolic Dysfunction and Baroreflex Sensitivity in Hypertension, 1141

Hypertension, white-coat
Relation Between Body Fat–Corrected ECG Voltage and Ambulatory Blood Pressure in Patients With Essential Hypertension, 1159

Hypertrophy
Adenosine Inhibits Collagen and Total Protein Synthesis in Vascular Smooth Muscle Cells, 190
Chronic Bradykinin Infusion and Receptor Blockade in Angiotensin II Hypertension in Rats, 830
Myocardial Osteopontin Expression Coincides With the Development of Heart Failure, 663

Hypertrophy, aortic
Atrial Natriuretic Peptide Gene Delivery Reduces Stroke-Induced Mortality Rate in Dahl Salt-Sensitive Rats, 219

Hypertrophy, arterial
Assessment of Arterial Compliance by Carotid Midwall Strain-Stress Relation in Hypertension, 793

Hypertrophy, cardiac
Direct Effects of Colchicine on Myocardial Function: Studies in Hypertrophied and Failing Spontaneously Hypertensive Rats, 60
Genetic Determination of Cardiac Mass in Normotensive Rats: Results From an F344×WKY Cross, 949
The Myocardial β-Adrenergic System in Spontaneously Hypertensive Heart Failure (SHHF) Rats, 402
Stroke Volume/Pulse Pressure Ratio and Cardiovascular Risk in Arterial Hypertension, 800
Telemetry For Cardiovascular Monitoring in a Pharmacological Study: New Approaches to Data Analysis, 248

Hypertrophy, left ventricular
Assessment of Arterial Compliance by Carotid Midwall Strain-Stress Relation in Hypertension, 793
G-Protein β3 Subunit C825T Variant and Ambulatory Blood Pressure in Essential Hypertension, 1049
Relation Between Body Fat–Corrected ECG Voltage and Ambulatory Blood Pressure in Patients With Essential Hypertension, 1159
Ultrasonic Myocardial Texture Versus Doppler Analysis in Hypertensive Heart: A Preliminary Study, 66
Ventricular Adrenomedullin Levels Correlate With the Extent of Cardiac Hypertrophy in Rats, 1146

Hypertrophy, vascular
Different Contributions of Endothelin-A and Endothelin-B Receptors in the Pathogenesis of Deoxycorticosterone Acetate–Salt–Induced Hypertension in Rats, 759
Effects of an Angiotensin-Converting Enzyme Inhibitor and a β-Blocker on Cerebral Arterioles in Rats, 856

Hyponatremia
Hyponatremic-Hypertensive Syndrome With Renal Ischemia: An Underrecognized Disorder, 1020

Hypotension
Cardiovascular Effects of Nociceptin in Unanesthetized Mice, 914

Effects of Age and Gender on Autonomic Control of Blood Pressure Dynamics, 1195
Hypotension, postprandial
Postprandial Hypotension Is Associated With Asymptomatic Cerebrovascular Damage in Essential Hypertensive Patients, 565
Hypothalamus
Neuroendocrine Effects of Dehydration in Mice Lacking the Angiotensin AT1a Receptor, 482
Hypoxia
Human Obesity Is Characterized by a Selective Potentiation of Central Chemoreflex Sensitivity, 1153

I

Iloprost
Loss of Endothelium and Receptor-Mediated Dilation in Pial Arterioles of Rats Fed a Short-Term High Salt Diet, 686
Imaging
Effects of Amlodipine and Cilnidipine on Cardiac Sympathetic Nervous System and Neurohormonal Status in Essential Hypertension, 1447
Immunohistochemistry
Differential Regulation of Renal Angiotensin Subtype AT_{1A} and AT_2 Receptor Protein in Rats With Angiotensin-Dependent Hypertension, 96
Increased Chymase-Dependent Angiotensin II Formation in Human Atherosclerotic Aorta, 1399
Impedance
Age-Related Abnormalities in Arterial Compliance Identified by Pressure Pulse Contour Analysis: Aging and Arterial Compliance, 1392
Impedance cardiography
β-2 Adrenergic Receptor Variants Affect Resting Blood Pressure and Agonist-Induced Vasodilation in Young Adult Caucasians, 1425
In Memoriam
Alvin Philip Shapiro, MD: 1920–1998, 611
Innervation, sensory
Antihypertensive Mechanisms Underlying a Novel Salt-Sensitive Hypertensive Model Induced by Sensory Denervation, 499
Insulin
Diminished Wave Reflection in the Aorta: A Novel Physiological Action of Insulin on Large Blood Vessels, 1118
Parental Hyperdynamic Circulation Predicts Insulin Resistance in Offspring: The Tecumseh Offspring Study, 769
Insulin resistance
Altered Pressure-Natriuresis in Obese Zucker Rats, 1470
Blood Pressure, Sodium Intake, Insulin Resistance, and Urinary Nitrate Excretion, 1008
Clonidine Prevents Insulin Resistance and Hypertension in Obese Dogs, 548
Insulin-Mediated Vasodilation and Glucose Uptake Are Functionally Linked in Humans, 554
Insulin Sensitivity Is Related to Physical Fitness and Exercise Blood Pressure to Structural Vascular Properties in Young Men, 781
Intercellular adhesion molecule-1
Monocyte Infiltration and Adhesion Molecules in a Rat Model of High Human Renin Hypertension, 389
Interferons
Interferon Regulatory Factors Regulate Interleukin-1β–Converting Enzyme Expression and Apoptosis in Vascular Smooth Muscle Cells, 162
Interleukin-1
Interferon Regulatory Factors Regulate Interleukin-1β–Converting Enzyme Expression and Apoptosis in Vascular Smooth Muscle Cells, 162
Interstitial cells
Long-Term Effects of Angiotensin-Converting Enzyme Inhibition on Renal Medullary Neutral Lipid in Spontaneously Hypertensive Rats, 1214
Interstitial damage
Angiotensin-Converting Enzyme Is Upregulated in the Proximal Tubules of Rats With Intense Proteinuria, 732
Intimal thickening
Increased Expression of Matrix Metalloproteinase-2 in the Thickened Intima of Aged Rats, 116
Intron
Transcriptional Regulation of the Rat Renin Gene by Regulatory Elements in Intron I, 303
Intronic conversion
Aldosterone Excretion Rate and Blood Pressure in Essential Hypertension Are Related to Polymorphic Differences in the Aldosterone Synthase Gene *CYP11B2*, 703
Ion transport
Role of 20-HETE in Elevating Chloride Transport in the Thick Ascending Limb of Dahl SS/Jr Rats, 419
Irbesartan
Angiotensin II Receptor Blockade in Normotensive Subjects: A Direct Comparison of Three AT_1 Receptor Antagonists, 850
Irbesartan Reduces QT Dispersion in Hypertensive Individuals, 713
Ischemia
Intravascular Source of Adenosine During Forearm Ischemia in Humans: Implications for Reactive Hyperemia, 1453
Isoelectric focusing
Effect of Chronic Salt Loading on Adenosine Metabolism and Receptor Expression in Renal Cortex and Medulla in Rats, 511
Isoprostanes
Two-Week Administration of Tempol Attenuates Both Hypertension and Renal Excretion of 8-Iso Prostaglandin $F_{2\alpha}$, 424

J

Japanese
Lack of Evidence for Association Between the Endothelial Nitric Oxide Synthase Gene and Hypertension, 933

K

Kallikrein
Linkage Analysis of Candidate Genes and Gene-Gene Interactions in Chinese Hypertensive Sib Pairs, 1332
Kidney
Afferent Arteriolar Vasodilation to the Sulfonimide Analog of 11,12-Epoxyeicosatrienoic Acid Involves Protein Kinase A, 408
Appropriate Regulation of Renin and Blood Pressure in 45-kb Human Renin/Human Angiotensinogen Transgenic Mice, 318
Differential Expression of Renal Nitric Oxide Synthase Isoforms During Pregnancy in Rats, 435
Differential Regulation of Renal Angiotensin Subtype AT_{1A} and AT_2 Receptor Protein in Rats With Angiotensin-Dependent Hypertension, 96
Effect of Chronic Salt Loading on Adenosine Metabolism and Receptor Expression in Renal Cortex and Medulla in Rats, 511
Effects of Vasodilatory β-Adrenoceptor Antagonists on Endothelium-Derived Nitric Oxide Release in Rat Kidney, 467
Enhanced γ-Aminobutyric Acid–B Receptor Agonist Responses and mRNA Within the Nucleus of the Solitary Tract in Hypertension, 530
Handling $^{22}NaCl$ by the Blood-Brain Barrier and Kidney: Its Relevance to Salt-Induced Hypertension in Dahl Rats, 517
Kidney Aminopeptidase A and Hypertension, Part I: Spontaneously Hypertensive Rats, 740
Local Renal Medullary L-NAME Infusion Enhances the Effect of Long-Term Angiotensin II Treatment, 440
NaCl-Induced Renal Vasoconstriction in Salt-Sensitive African Americans: Antipressor and Hemodynamic Effects of Potassium Bicarbonate, 633
Regulation of Angiotensin II Type 1 Receptor mRNA and Protein in Angiotensin II–Induced Hypertension, 340
Renal Intramedullary Infusion of L-Arginine Prevents Reduction of Medullary Blood Flow and Hypertension in Dahl Salt-Sensitive Rats, 446
Role of 20-HETE in Elevating Chloride Transport in the Thick Ascending Limb of Dahl SS/Jr Rats, 419
Role of Aldosterone in Renal Vascular Injury in Stroke-Prone Hypertensive Rats, 232
Selective Inhibition of the Renal Dopamine Subtype D_{1A} Receptor Induces Antinatriuresis in Conscious Rats, 504
Variable Renal Atrial Natriuretic Factor Gene Expression in Hypertension, 1342

Kidney failure
Renal and Metabolic Clearance of *N*-Acetyl-Seryl-Aspartyl-Lysyl-Proline (AcSDKP) During Angiotensin-Converting Enzyme Inhibition in Humans, 879
Kidney glomerulus
Kidney Aminopeptidase A and Hypertension, Part I: Spontaneously Hypertensive Rats, 740
Kidney Aminopeptidase A and Hypertension, Part II: Effects of Angiotensin II, 746
Kidney medulla
Long-Term Effects of Angiotensin-Converting Enzyme Inhibition on Renal Medullary Neutral Lipid in Spontaneously Hypertensive Rats, 1214
Kinase
The Myocardial β-Adrenergic System in Spontaneously Hypertensive Heart Failure (SHHF) Rats, 402
Role of Tyrosine Kinase and PKC in the Vasoconstrictor Response to 20-HETE in Renal Arterioles, 414

L

Lacuna
Postprandial Hypotension Is Associated With Asymptomatic Cerebrovascular Damage in Essential Hypertensive Patients, 565
Leptin
Interactions Between the Melanocortin System and Leptin in Control of Sympathetic Nerve Traffic, 542
State-of-the-Art Lecture: Obesity-Induced Hypertension: New Concepts From the Emerging Biology of Obesity, 537
Leukoaraiosis
Postprandial Hypotension Is Associated With Asymptomatic Cerebrovascular Damage in Essential Hypertensive Patients, 565
Linkage, genetic
Different Frequencies of Inducible Nitric Oxide Synthase Genotypes in Older Hypertensives, 927
Evidence for Involvement of the Type 1 Angiotensin II Receptor Locus in Essential Hypertension, 844
Role of Chromosome X in the Sabra Rat Model of Salt-Sensitive Hypertension, 261
Lipids
Long-Term Effects of Angiotensin-Converting Enzyme Inhibition on Renal Medullary Neutral Lipid in Spontaneously Hypertensive Rats, 1214
Lipopolysaccharides
Role of Increased Production of Superoxide Anions by NAD(P)H Oxidase and Xanthine Oxidase in Prolonged Endotoxemia, 1243
Lithium
Adducin Polymorphism Affects Renal Proximal Tubule Reabsorption in Hypertension, 694
Liver
Regulation of Angiotensin II Type 1 Receptor mRNA and Protein in Angiotensin II–Induced Hypertension, 340
Losartan
Angiotensin II Receptor Blockade in Normotensive Subjects: A Direct Comparison of Three AT_1 Receptor Antagonists, 850
Role of AT_2 Receptors in Angiotensin II–Stimulated Contraction of Small Mesenteric Arteries in Young SHR, 366
Low-density lipoproteins, oxidized
Autoantibodies to OxLDL Are Decreased in Individuals With Borderline Hypertension, 53
Lymphocytes
α_1-Adrenergic Receptor Subtypes in Human Peripheral Blood Lymphocytes, 708

M

M-CAT element
Interleukin-1β Regulation of the Human Brain Natriuretic Peptide Promoter Involves Ras-, Rac-, and p38 Kinase–Dependent Pathways in Cardiac Myocytes, 283
Macrophages
Angiotensin II Type 1 Receptor–Mediated Peroxide Production in Human Macrophages, 335
Macula densa
Neuronal Nitric Oxide Synthase-Dependent Afferent Arteriolar Function in Angiotensin II-Induced Hypertension, 462
Magnesium deficiency
Effect of Magnesium Deficiency on Blood Pressure and Mechanical Properties of Rat Carotid Artery, 1105
Magnetic resonance imaging
Early-Onset But Not Late-Onset Endothelin-A–Receptor Blockade Can Modulate Hypertension, Cerebral Edema, and Proteinuria in Stroke-Prone Hypertensive Rats, 137
Magnetic Resonance Angiography Versus Duplex Sonography for Diagnosing Renovascular Disease, 726
Major late transcription factor
Role of C/A Polymorphism at −20 on the Expression of Human Angiotensinogen Gene, 108
Malignant nephrosclerosis
Role of Aldosterone in Renal Vascular Injury in Stroke-Prone Hypertensive Rats, 232
MAPK
TNF-α–Induced Migration of Vascular Smooth Muscle Cells Is MAPK Dependent, 183
Mass, aortic
Prolonged L-Arginine on Cardiovascular Mass and Myocardial Hemodynamics and Collagen in Aged Spontaneously Hypertensive Rats and Normal Rats, 451
Mass, ventricular
Prolonged L-Arginine on Cardiovascular Mass and Myocardial Hemodynamics and Collagen in Aged Spontaneously Hypertensive Rats and Normal Rats, 451
Matrix metalloproteinase-2
Increased Expression of Matrix Metalloproteinase-2 in the Thickened Intima of Aged Rats, 116
Mechanical properties, arterial
Muscular Strength Training Is Associated With Low Arterial Compliance and High Pulse Pressure, 1385
Mechanoreceptors
Renal Mechanoreceptor Dysfunction: An Intermediate Phenotype in Spontaneously Hypertensive Rats, 472
Melanocortins
State-of-the-Art Lecture: Obesity-Induced Hypertension: New Concepts From the Emerging Biology of Obesity, 537
Membrane potentials
Epithelial Sodium Channel Activity Is Not Increased in Hypertension in Whites, 1031
Meta-analysis
The Effect of Chronic Coffee Drinking on Blood Pressure: A Meta-Analysis of Controlled Clinical Trials, 647
Safety of Nifedipine in Angina Pectoris: A Meta-Analysis, 24
Metabolism
Renal and Metabolic Clearance of *N*-Acetyl-Seryl-Aspartyl-Lysyl-Proline (AcSDKP) During Angiotensin-Converting Enzyme Inhibition in Humans, 879
Metabolites, cytochrome P450
Afferent Arteriolar Vasodilation to the Sulfonimide Analog of 11,12-Epoxyeicosatrienoic Acid Involves Protein Kinase A, 408
Metformin
Metformin Attenuates Salt-Induced Hypertension in Spontaneously Hypertensive Rats, 1135
Methylenetetrahydrofolate reductase
Factor V Leiden and Thermolabile Methylenetetrahydrofolate Reductase Gene Variants in an East Anglian Preeclampsia Cohort, 1338
Mice
Appropriate Regulation of Renin and Blood Pressure in 45-kb Human Renin/Human Angiotensinogen Transgenic Mice, 318
Cardiovascular Effects of Nociceptin in Unanesthetized Mice, 914
Role of the α_{2B}-Adrenergic Receptor in the Development of Salt-Induced Hypertension, 14
Mice, knockout
An Enhanced Effect of Arginine Vasopressin in Bradykinin B_2 Receptor Null Mutant Mice, 1436
Microalbuminuria
Renal Characteristics and Effect of Angiotensin Suppression in Oral Contraceptive Users, 90
Microcirculation
Structural Skin Capillary Rarefaction in Essential Hypertension, 998

Microdialysis
Altered Pressure-Natriuresis in Obese Zucker Rats, 1470
Intravascular Source of Adenosine During Forearm Ischemia in Humans: Implications for Reactive Hyperemia, 1453
Systemic Administration of Lipopolysaccharide Induces Release of Nitric Oxide and Glutamate and c-*fos* Expression in the Nucleus Tractus Solitarii of Rats, 1218
Microsatellite
Role of Chromosome X in the Sabra Rat Model of Salt-Sensitive Hypertension, 261
Middle cerebral artery occlusion
Genetic and Gender Influences on Sensitivity to Focal Cerebral Ischemia in the Stroke-Prone Spontaneously Hypertensive Rat, 681
Migration
Phytoestrogens Inhibit Growth and MAP Kinase Activity in Human Aortic Smooth Muscle Cells, 177
TNF-α–Induced Migration of Vascular Smooth Muscle Cells Is MAPK Dependent, 183
Mineralocorticoids
Maternal Hypertension and Progeny Blood Pressure: Role of Aldosterone and 11β-HSD, 1369
Mitogen-activated protein kinases
Angiotensin II Signaling in Vascular Smooth Muscle Cells Under High Glucose Conditions, 378
Modeling, mathematical
Structural Autoregulation of Terminal Vascular Beds: Vascular Adaptation and Development of Hypertension, 153
Molecular genetics
β-2 Adrenergic Receptor Variants Affect Resting Blood Pressure and Agonist-Induced Vasodilation in Young Adult Caucasians, 1425
Molsidomine
Inotropic Effects of Endothelin-1: Interaction With Molsidomine and With BQ 610, 145
Monocyte chemoattractant protein-1
State-of-the-Art Lecture: Hypertension-Induced End-Organ Damage: A New Transgenic Approach to an Old Problem, 212
Mortality
Hypertension in Diet Versus Pharmacologically Treated Diabetics: Mortality Over a 5-Year Follow-Up, 1002
Influence of Heart Rate on Mortality in a French Population: Role of Age, Gender, and Blood Pressure, 44
Muscle
Intravascular Source of Adenosine During Forearm Ischemia in Humans: Implications for Reactive Hyperemia, 1453
Muscle, isolated cardiac
Direct Effects of Colchicine on Myocardial Function: Studies in Hypertrophied and Failing Spontaneously Hypertensive Rats, 60
Muscle, papillary
Direct Effects of Colchicine on Myocardial Function: Studies in Hypertrophied and Failing Spontaneously Hypertensive Rats, 60
Muscle, smooth
Adenosine Inhibits Collagen and Total Protein Synthesis in Vascular Smooth Muscle Cells, 190
Angiotensin-(1–7) Reduces Smooth Muscle Growth After Vascular Injury, 207
Angiotensin II Type 1 Receptor Antagonist Downregulates Nonmuscle Myosin Heavy Chains in Spontaneously Hypertensive Rat Aorta, 975
Hormones and Vasoprotection, 170
TNF-α–Induced Migration of Vascular Smooth Muscle Cells Is MAPK Dependent, 183
Muscle, smooth, vascular
Angiotensin II Signaling in Vascular Smooth Muscle Cells Under High Glucose Conditions, 378
Antisense Inhibition of AT_1 Receptor in Vascular Smooth Muscle Cells Using Adeno-Associated Virus-Based Vector, 354
AT_2 Receptor and Vascular Smooth Muscle Cell Differentiation in Vascular Development, 1414
Effect of Ceramide on K_{Ca} Channel Activity and Vascular Tone in Coronary Arteries, 1441
Increased Expression of Matrix Metalloproteinase-2 in the Thickened Intima of Aged Rats, 116
Inhibition of Carbonic Anhydrase Accounts for the Direct Vascular Effects of Hydrochlorothiazide, 1043
Interferon Regulatory Factors Regulate Interleukin-1β–Converting Enzyme Expression and Apoptosis in Vascular Smooth Muscle Cells, 162
Involvement of PYK2 in Angiotensin II Signaling of Vascular Smooth Muscle Cells, 201
Loss of Endothelium and Receptor-Mediated Dilation in Pial Arterioles of Rats Fed a Short-Term High Salt Diet, 686
Novel *Cis* Element for Tissue-Specific Transcription of Rat Platelet-Derived Growth Factor β-Receptor Gene, 298
Phytoestrogens Inhibit Growth and MAP Kinase Activity in Human Aortic Smooth Muscle Cells, 177
Protection Against Necrosis but Not Apoptosis by Heat-Stress Proteins in Vascular Smooth Muscle Cells: Evidence for Distinct Modes of Cell Death, 906
Role of Tyrosine Kinase and PKC in the Vasoconstrictor Response to 20-HETE in Renal Arterioles, 414
State-of-the-Art Lecture: Hypertension-Induced End-Organ Damage: A New Transgenic Approach to an Old Problem, 212
Troglitazone Upregulates Nitric Oxide Synthesis in Vascular Smooth Muscle Cells, 943
Myocardial collagen concentration
Prolonged L-Arginine on Cardiovascular Mass and Myocardial Hemodynamics and Collagen in Aged Spontaneously Hypertensive Rats and Normal Rats, 451
Myocardial hypertrophy
β-Adrenergic Receptor Kinase-1 Levels in Catecholamine-Induced Myocardial Hypertrophy: Regulation by β- but not α_1-Adrenergic Stimulation, 396
Myocardial infarction
The 825C/T Polymorphism of the G-Protein Subunit β3 Is Not Related to Hypertension, 1175
Effects of Candesartan and Cilazapril on Rats With Myocardial Infarction Assessed by Echocardiography, 961
The Lys198Asn Polymorphism in the Endothelin-1 Gene Is Associated With Blood Pressure in Overweight People, 1169
Myocytes
Gender-Related Differences in Myocyte Remodeling in Progression to Heart Failure, 676
Myosin
Angiotensin II Type 1 Receptor Antagonist Downregulates Nonmuscle Myosin Heavy Chains in Spontaneously Hypertensive Rat Aorta, 975

N

Na-K–ATPase
Effects of Angiotensin II on Sodium Potassium Pumps, Endogenous Ouabain, and Aldosterone in Bovine Zona Glomerulosa Cells, 373
Na^+, intracellular
Intracellular Sodium Modulates the Expression of Angiotensin II Subtype 2 Receptor in PC12W Cells, 626
NAD(P)H oxidase
Paracrine Role of Adventitial Superoxide Anion in Mediating Spontaneous Tone of the Isolated Rat Aorta in Angiotensin II-Induced Hypertension, 1225
Role of Increased Production of Superoxide Anions by NAD(P)H Oxidase and Xanthine Oxidase in Prolonged Endotoxemia, 1243
D-NAME
A Large Blood Pressure–Raising Effect of Nitric Oxide Synthase Inhibition in Humans, 937
L-NAME
A Large Blood Pressure–Raising Effect of Nitric Oxide Synthase Inhibition in Humans, 937
Nasal mucosa
Epithelial Sodium Channel Activity Is Not Increased in Hypertension in Whites, 1031
Natriuresis
Altered Pressure-Natriuresis in Obese Zucker Rats, 1470
Enhanced Natriuretic Response to Neutral Endopeptidase Inhibition in Heart-Transplant Recipients, 969
Low Calorie Diet Enhances Renal, Hemodynamic, and Humoral Effects of Exogenous Atrial Natriuretic Peptide in Obese Hypertensives, 658

Natriuretic peptides
Angiotensin-Converting Enzyme Inhibition Restores Hepatocyte Growth Factor Production in Patients With Congestive Heart Failure, 1374
Genes Encoding Atrial and Brain Natriuretic Peptides as Candidates for Sensitivity to Brain Ischemia in Stroke-Prone Hypertensive Rats, 290
Interleukin-1β Regulation of the Human Brain Natriuretic Peptide Promoter Involves Ras-, Rac-, and p38 Kinase–Dependent Pathways in Cardiac Myocytes, 283
Mechanisms of FK 506–Induced Hypertension in the Rat, 130
Natriuretic peptides, atrial
Low Calorie Diet Enhances Renal, Hemodynamic, and Humoral Effects of Exogenous Atrial Natriuretic Peptide in Obese Hypertensives, 658
NCI-H295 cell line
Local Renin-Angiotensin System Is Involved in K^+-Induced Aldosterone Secretion from Human Adrenocortical NCI-H295 Cells, 1025
Neurons
Pressor Response to Compression of the Ventrolateral Medulla Mediated by Glutamate Receptors, 1207
Neurotransmission
C-Type Natriuretic Peptide Attenuates Evoked Dopamine Efflux by Influencing $G_o\alpha$, 124
NF-Y family
Novel *Cis* Element for Tissue-Specific Transcription of Rat Platelet-Derived Growth Factor β-Receptor Gene, 298
N^G-monomethyl-L-arginine
Daily Aerobic Exercise Improves Reactive Hyperemia in Patients With Essential Hypertension, 591
Nifedipine
Safety of Nifedipine in Angina Pectoris: A Meta-Analysis, 24
Sympathoinhibitory Effects of Central Nifedipine in Spontaneously Hypertensive Rats on High Versus Regular Sodium Intake, 32
Nitric oxide
Altered Pressure-Natriuresis in Obese Zucker Rats, 1470
Blood Pressure, Sodium Intake, Insulin Resistance, and Urinary Nitrate Excretion, 1008
Daily Aerobic Exercise Improves Reactive Hyperemia in Patients With Essential Hypertension, 591
DD Angiotensin-Converting Enzyme Gene Polymorphism Is Associated With Endothelial Dysfunction in Normal Humans, 1164
Effects of Vasodilatory β-Adrenoceptor Antagonists on Endothelium-Derived Nitric Oxide Release in Rat Kidney, 467
Enhanced Blood Pressure Variability in eNOS Knockout Mice, 1359
Erythropoietin Depresses Nitric Oxide Synthase Expression by Human Endothelial Cells, 894
Interleukin-1β Regulation of Inducible Nitric Oxide Synthase and Cyclooxygenase-2 Involves the p42/44 and p38 MAPK Signaling Pathways in Cardiac Myocytes, 276
A Large Blood Pressure–Raising Effect of Nitric Oxide Synthase Inhibition in Humans, 937
Local Renal Medullary L-NAME Infusion Enhances the Effect of Long-Term Angiotensin II Treatment, 440
Mechanisms of FK 506–Induced Hypertension in the Rat, 130
Paracrine Role of Adventitial Superoxide Anion in Mediating Spontaneous Tone of the Isolated Rat Aorta in Angiotensin II-Induced Hypertension, 1225
Renal Intramedullary Infusion of L-Arginine Prevents Reduction of Medullary Blood Flow and Hypertension in Dahl Salt-Sensitive Rats, 446
Role of Increased Production of Superoxide Anions by NAD(P)H Oxidase and Xanthine Oxidase in Prolonged Endotoxemia, 1243
Role of Nitric Oxide–cGMP Pathway in Adrenomedullin-Induced Vasodilation in the Rat, 689
Salt-Sensitive Hypertension Develops After Short-Term Exposure to Angiotensin II, 1013
Superoxide Anion Production Is Increased in a Model of Genetic Hypertension: Role of the Endothelium, 1353
Troglitazone Upregulates Nitric Oxide Synthesis in Vascular Smooth Muscle Cells, 943
Nitric oxide synthase
Different Frequencies of Inducible Nitric Oxide Synthase Genotypes in Older Hypertensives, 927
Evidence for Peroxynitrite Formation in the Vasculature of Women With Preeclampsia, 83
Lack of Evidence for Association Between the Endothelial Nitric Oxide Synthase Gene and Hypertension, 933
Local Renal Medullary L-NAME Infusion Enhances the Effect of Long-Term Angiotensin II Treatment, 440
Superoxide Anion Production Is Increased in a Model of Genetic Hypertension: Role of the Endothelium, 1353
Systemic Administration of Lipopolysaccharide Induces Release of Nitric Oxide and Glutamate and c-*fos* Expression in the Nucleus Tractus Solitarii of Rats, 1218
Nitroglycerin
Daily Aerobic Exercise Improves Reactive Hyperemia in Patients With Essential Hypertension, 591
Nitroprusside
A Test of the "Epinephrine Hypothesis" in Humans, 36
Nitrotyrosine
Evidence for Peroxynitrite Formation in the Vasculature of Women With Preeclampsia, 83
L-NMMA
A Large Blood Pressure–Raising Effect of Nitric Oxide Synthase Inhibition in Humans, 937
Nociceptin
Cardiovascular Effects of Nociceptin in Unanesthetized Mice, 914
Nonshivering thermogenesis
Thermoregulatory and Cardiac Responses of Infant Spontaneously Hypertensive and Wistar-Kyoto Rats to Cold Exposure, 1465
Norepinephrine
α_1- and α_2-Adrenoceptor Control of Sodium Transport Reverses in Developing Hypertension, 524
Effects of Age and Gender on Autonomic Control of Blood Pressure Dynamics, 1195
A Test of the "Epinephrine Hypothesis" in Humans, 36
Normotension
NaCl-Induced Renal Vasoconstriction in Salt-Sensitive African Americans: Antipressor and Hemodynamic Effects of Potassium Bicarbonate, 633
Nuclear factor-κB
State-of-the-Art Lecture: Hypertension-Induced End-Organ Damage: A New Transgenic Approach to an Old Problem, 212
5′-nucleotidase
Effect of Chronic Salt Loading on Adenosine Metabolism and Receptor Expression in Renal Cortex and Medulla in Rats, 511

O

Obesity
Altered Pressure-Natriuresis in Obese Zucker Rats, 1470
Clonidine Prevents Insulin Resistance and Hypertension in Obese Dogs, 548
Diastolic Compliance Is Reduced in Obese Rabbits, 811
Human Obesity Is Characterized by a Selective Potentiation of Central Chemoreflex Sensitivity, 1153
Interactions Between the Melanocortin System and Leptin in Control of Sympathetic Nerve Traffic, 542
Low Calorie Diet Enhances Renal, Hemodynamic, and Humoral Effects of Exogenous Atrial Natriuretic Peptide in Obese Hypertensives, 658
The Lys198Asn Polymorphism in the Endothelin-1 Gene Is Associated With Blood Pressure in Overweight People, 1169
Parental Hyperdynamic Circulation Predicts Insulin Resistance in Offspring: The Tecumseh Offspring Study, 769
State-of-the-Art Lecture: Obesity-Induced Hypertension: New Concepts From the Emerging Biology of Obesity, 537
Oligodeoxynucleotides, antisense
C-Type Natriuretic Peptide Attenuates Evoked Dopamine Efflux by Influencing $G_o\alpha$, 124
Oligonucleotides, antisense
Selective Inhibition of the Renal Dopamine Subtype D_{1A} Receptor Induces Antinatriuresis in Conscious Rats, 504
Oligopeptides
Renal and Metabolic Clearance of *N*-Acetyl-Seryl-Aspartyl-Lysyl-Proline (AcSDKP) During Angiotensin-Converting Enzyme Inhibition in Humans, 879

Oral contraceptives
Renal Characteristics and Effect of Angiotensin Suppression in Oral Contraceptive Users, 90
Osteopontin
Myocardial Osteopontin Expression Coincides With the Development of Heart Failure, 663
Oxidative stress
Two-Week Administration of Tempol Attenuates Both Hypertension and Renal Excretion of 8-Iso Prostaglandin $F_{2\alpha}$, 424
Oxygen radicals
Two-Week Administration of Tempol Attenuates Both Hypertension and Renal Excretion of 8-Iso Prostaglandin $F_{2\alpha}$, 424

P

P53
p53-Mediated Upregulation of *BAX* Gene Transcription Is Not Involved in Bax-α Protein Overexpression in the Left Ventricle of Spontaneously Hypertensive Rats, 1348
PAMP
Proadrenomedullin N-Terminal 20 Peptide (PAMP), Acting Through PAMP(12–20)-Sensitive Receptors, Inhibits Ca^{2+}-Dependent, Agonist-Stimulated Secretion of Human Adrenal Glands, 1185
Papillectomy
Neuronal Nitric Oxide Synthase-Dependent Afferent Arteriolar Function in Angiotensin II-Induced Hypertension, 462
Parasympathetic nervous system
Effects of Smoking Cessation on Blood Pressure and Heart Rate Variability in Habitual Smokers, 586
PC12W cells
Intracellular Sodium Modulates the Expression of Angiotensin II Subtype 2 Receptor in PC12W Cells, 626
PD123319
Role of AT_2 Receptors in Angiotensin II–Stimulated Contraction of Small Mesenteric Arteries in Young SHR, 366
Peptidyl-dipeptidase A
Renal and Metabolic Clearance of *N*-Acetyl-Seryl-Aspartyl-Lysyl-Proline (AcSDKP) During Angiotensin-Converting Enzyme Inhibition in Humans, 879
Peroxide
Angiotensin II Type 1 Receptor–Mediated Peroxide Production in Human Macrophages, 335
Peroxisome proliferator–activated receptor-γ
Troglitazone Upregulates Nitric Oxide Synthesis in Vascular Smooth Muscle Cells, 943
PH_i
Inhibition of Carbonic Anhydrase Accounts for the Direct Vascular Effects of Hydrochlorothiazide, 1043
Pharmacogenomics
State-of-the-Art Lecture: Genomics and Hypertension: Concepts, Potentials, and Opportunities, 238
Pharmacology
Mechanistic Differences of Various AT_1-Receptor Blockers in Isolated Vessels of Different Origin, 1406
[$Phe^1\psi(CH_2\text{-}NH)Gly^2$]NC(1–13)$NH_2$
Cardiovascular Effects of Nociceptin in Unanesthetized Mice, 914
Pheochromocytoma cells
C-Type Natriuretic Peptide Attenuates Evoked Dopamine Efflux by Influencing $G_o\alpha$, 124
Phosphates, high-energy
Inotropic Effects of Endothelin-1: Interaction With Molsidomine and With BQ 610, 145
Phosphodiesterase inhibitor
Role of Nitric Oxide–cGMP Pathway in Adrenomedullin-Induced Vasodilation in the Rat, 689
Phospholipases
Dopamine-1 Receptor Coupling Defect in Renal Proximal Tubule Cells in Hypertension, 1036
Interleukin-1β Regulation of Inducible Nitric Oxide Synthase and Cyclooxygenase-2 Involves the p42/44 and p38 MAPK Signaling Pathways in Cardiac Myocytes, 276
Phosphorylation, serine
Dopamine-1 Receptor Coupling Defect in Renal Proximal Tubule Cells in Hypertension, 1036
Physical fitness
Alexithymia: A Facet of Essential Hypertension, 1057
Insulin Sensitivity Is Related to Physical Fitness and Exercise Blood Pressure to Structural Vascular Properties in Young Men, 781
Phytoestrogens
Phytoestrogens Inhibit Growth and MAP Kinase Activity in Human Aortic Smooth Muscle Cells, 177
Pial arterioles
Loss of Endothelium and Receptor-Mediated Dilation in Pial Arterioles of Rats Fed a Short-Term High Salt Diet, 686
Plasma
Effects of Amlodipine and Cilnidipine on Cardiac Sympathetic Nervous System and Neurohormonal Status in Essential Hypertension, 1447
Plasma glucose
Prospective Analysis of Traits Related to 6-Year Change in Sodium-Lithium Countertransport, 887
Plasma lipids
Prospective Analysis of Traits Related to 6-Year Change in Sodium-Lithium Countertransport, 887
Plasma potassium
Prospective Analysis of Traits Related to 6-Year Change in Sodium-Lithium Countertransport, 887
Plasminogen activator inhibitor-1
Monocyte Infiltration and Adhesion Molecules in a Rat Model of High Human Renin Hypertension, 389
Plasminogen, tissue activator
Bradykinin Stimulates Tissue Plasminogen Activator Release in Human Vasculature, 1431
Platelet-derived growth factors
Novel *Cis* Element for Tissue-Specific Transcription of Rat Platelet-Derived Growth Factor β-Receptor Gene, 298
Plethysmography
Distinct and Combined Vascular Effects of ACE Blockade and HMG-CoA Reductase Inhibition in Hypertensive Subjects, 719
Insulin-Mediated Vasodilation and Glucose Uptake Are Functionally Linked in Humans, 554
Polymerase chain reaction
Different Frequencies of Inducible Nitric Oxide Synthase Genotypes in Older Hypertensives, 927
Polymorphism
Aldosterone Excretion Rate and Blood Pressure in Essential Hypertension Are Related to Polymorphic Differences in the Aldosterone Synthase Gene *CYP11B2*, 703
Role of C/A Polymorphism at −20 on the Expression of Human Angiotensinogen Gene, 108
Polymorphism, single-nucleotide
State-of-the-Art Lecture: Genomics and Hypertension: Concepts, Potentials, and Opportunities, 238
Polymorphisms
Factor V Leiden and Thermolabile Methylenetetrahydrofolate Reductase Gene Variants in an East Anglian Preeclampsia Cohort, 1338
Portal vein
Mechanistic Differences of Various AT_1-Receptor Blockers in Isolated Vessels of Different Origin, 1406
Posttranscriptional regulation
Human Renin mRNA Stability Is Increased in Response to cAMP in Calu-6 Cells, 900
Potassium
Local Renin-Angiotensin System Is Involved in K^+-Induced Aldosterone Secretion from Human Adrenocortical NCI-H295 Cells, 1025
NaCl-Induced Renal Vasoconstriction in Salt-Sensitive African Americans: Antipressor and Hemodynamic Effects of Potassium Bicarbonate, 633
Normotensive Salt Sensitivity: Effects of Race and Dietary Potassium, 18
Role of 20-HETE in Elevating Chloride Transport in the Thick Ascending Limb of Dahl SS/Jr Rats, 419
Potassium channels
Effect of Ceramide on K_{Ca} Channel Activity and Vascular Tone in Coronary Arteries, 1441
Inhibition of Carbonic Anhydrase Accounts for the Direct Vascular Effects of Hydrochlorothiazide, 1043

Role of Tyrosine Kinase and PKC in the Vasoconstrictor Response to 20-HETE in Renal Arterioles, 414
Preeclampsia
Factor V Leiden and Thermolabile Methylenetetrahydrofolate Reductase Gene Variants in an East Anglian Preeclampsia Cohort, 1338
Pressure
Structural Autoregulation of Terminal Vascular Beds: Vascular Adaptation and Development of Hypertension, 153
Pressure overload
Ventricular Adrenomedullin Levels Correlate With the Extent of Cardiac Hypertrophy in Rats, 1146
Progestin
Hormones and Vasoprotection, 170
Prognosis
Stroke Volume/Pulse Pressure Ratio and Cardiovascular Risk in Arterial Hypertension, 800
Proliferation
Phytoestrogens Inhibit Growth and MAP Kinase Activity in Human Aortic Smooth Muscle Cells, 177
Proline-rich tyrosine kinase 2
Involvement of PYK2 in Angiotensin II Signaling of Vascular Smooth Muscle Cells, 201
Promoter
Novel *Cis* Element for Tissue-Specific Transcription of Rat Platelet-Derived Growth Factor β-Receptor Gene, 298
Prorenin
Effects of Human Prorenin in Rats Transgenic for Human Angiotensinogen, 312
Prostaglandins
Interleukin-1β Regulation of Inducible Nitric Oxide Synthase and Cyclooxygenase-2 Involves the p42/44 and p38 MAPK Signaling Pathways in Cardiac Myocytes, 276
Protein binding
Mechanistic Differences of Various AT_1-Receptor Blockers in Isolated Vessels of Different Origin, 1406
Protein green fluorescent
Antisense Inhibition of AT_1 Receptor in Vascular Smooth Muscle Cells Using Adeno-Associated Virus-Based Vector, 354
Protein, Bax-α
p53-Mediated Upregulation of *BAX* Gene Transcription Is Not Involved in Bax-α Protein Overexpression in the Left Ventricle of Spontaneously Hypertensive Rats, 1348
Proteinuria
Angiotensin-Converting Enzyme Is Upregulated in the Proximal Tubules of Rats With Intense Proteinuria, 732
Early-Onset But Not Late-Onset Endothelin-A–Receptor Blockade Can Modulate Hypertension, Cerebral Edema, and Proteinuria in Stroke-Prone Hypertensive Rats, 137
Proteomics
State-of-the-Art Lecture: Genomics and Hypertension: Concepts, Potentials, and Opportunities, 238
Proximal renal tubules
Kidney Aminopeptidase A and Hypertension, Part II: Effects of Angiotensin II, 746
Pulse
Binge Drinking and Ambulatory Blood Pressure, 79
Stroke Volume/Pulse Pressure Ratio and Cardiovascular Risk in Arterial Hypertension, 800
Pulse pressure
Influence of Heart Rate on Mortality in a French Population: Role of Age, Gender, and Blood Pressure, 44
Pulse wave analysis
Diminished Wave Reflection in the Aorta: A Novel Physiological Action of Insulin on Large Blood Vessels, 1118
Purinoceptors
Purinoceptor-Mediated Calcium Signaling in Preglomerular Smooth Muscle Cells, 195

Q

QT dispersion
Irbesartan Reduces QT Dispersion in Hypertensive Individuals, 713

R

Rabbit
Kinin B_1 Receptor Antagonists Containing α-Methyl-L-Phenylalanine: In Vitro and In Vivo Antagonistic Activities, 823
Race
Heart Rate and Subsequent Blood Pressure in Young Adults: The CARDIA Study, 640
NaCl-Induced Renal Vasoconstriction in Salt-Sensitive African Americans: Antipressor and Hemodynamic Effects of Potassium Bicarbonate, 633
Race and Diurnal Blood Pressure Patterns: A Review and Meta-Analysis, 1099
Radiotelemetry
Effect of Sinoaortic Deafferentation on Renal Wrap Hypertension, 476
Rarefaction
Structural Skin Capillary Rarefaction in Essential Hypertension, 998
Rats
Effect of Chromosome 19 Transfer on Blood Pressure in the Spontaneously Hypertensive Rat, 256
Inotropic Effects of Endothelin-1: Interaction With Molsidomine and With BQ 610, 145
Neuronal Nitric Oxide Synthase-Dependent Afferent Arteriolar Function in Angiotensin II-Induced Hypertension, 462
Role of Nitric Oxide–cGMP Pathway in Adrenomedullin-Induced Vasodilation in the Rat, 689
Telemetry For Cardiovascular Monitoring in a Pharmacological Study: New Approaches to Data Analysis, 248
Rats, Dahl
Atrial Natriuretic Peptide Gene Delivery Reduces Stroke-Induced Mortality Rate in Dahl Salt-Sensitive Rats, 219
Handling $^{22}NaCl$ by the Blood-Brain Barrier and Kidney: Its Relevance to Salt-Induced Hypertension in Dahl Rats, 517
Renal Intramedullary Infusion of L-Arginine Prevents Reduction of Medullary Blood Flow and Hypertension in Dahl Salt-Sensitive Rats, 446
Rats, experimental
State-of-the-Art Lecture: Obesity-Induced Hypertension: New Concepts From the Emerging Biology of Obesity, 537
Rats, inbred SHR
Direct Effects of Colchicine on Myocardial Function: Studies in Hypertrophied and Failing Spontaneously Hypertensive Rats, 60
Genes Encoding Atrial and Brain Natriuretic Peptides as Candidates for Sensitivity to Brain Ischemia in Stroke-Prone Hypertensive Rats, 290
Metformin Attenuates Salt-Induced Hypertension in Spontaneously Hypertensive Rats, 1135
The Myocardial β-Adrenergic System in Spontaneously Hypertensive Heart Failure (SHHF) Rats, 402
Myocardial Osteopontin Expression Coincides With the Development of Heart Failure, 663
p53-Mediated Upregulation of *BAX* Gene Transcription Is Not Involved in Bax-α Protein Overexpression in the Left Ventricle of Spontaneously Hypertensive Rats, 1348
Renal Mechanoreceptor Dysfunction: An Intermediate Phenotype in Spontaneously Hypertensive Rats, 472
Superoxide Anion Production Is Increased in a Model of Genetic Hypertension: Role of the Endothelium, 1353
Sympathoinhibitory Effects of Central Nifedipine in Spontaneously Hypertensive Rats on High Versus Regular Sodium Intake, 32
Rats, inbred strains
Early-Onset But Not Late-Onset Endothelin-A–Receptor Blockade Can Modulate Hypertension, Cerebral Edema, and Proteinuria in Stroke-Prone Hypertensive Rats, 137
Genetic Determination of Cardiac Mass in Normotensive Rats: Results From an F344×WKY Cross, 949
Thermoregulatory and Cardiac Responses of Infant Spontaneously Hypertensive and Wistar-Kyoto Rats to Cold Exposure, 1465
Rats, Sabra
Role of Chromosome X in the Sabra Rat Model of Salt-Sensitive Hypertension, 261
Rats, stroke-prone spontaneously hypertensive
Genetic and Gender Influences on Sensitivity to Focal Cerebral Ischemia in the Stroke-Prone Spontaneously Hypertensive Rat, 681

Rats, transgenic
Effects of Human Prorenin in Rats Transgenic for Human Angiotensinogen, 312
Increased Central Angiotensin and Osmotic Responses in the Ren-2 Transgenic Rat, 385
State-of-the-Art Lecture: Hypertension-Induced End-Organ Damage: A New Transgenic Approach to an Old Problem, 212
Reactivity
High Stress Responsivity Predicts Later Blood Pressure Only in Combination With Positive Family History and High Life Stress, 1458
Receptor antagonists
Angiotensin II Type 1 Receptor–Mediated Peroxide Production in Human Macrophages, 335
Receptor antibodies
α_1-Adrenergic Receptor Subtypes in Human Peripheral Blood Lymphocytes, 708
Receptor subtypes
α_1-Adrenergic Receptor Subtypes in Human Peripheral Blood Lymphocytes, 708
Receptors
Recent Progress in Angiotensin II Type 2 Receptor Research in the Cardiovascular System, 613
Receptors, adrenergic, alpha
α_1- and α_2-Adrenoceptor Control of Sodium Transport Reverses in Developing Hypertension, 524
α_1-Adrenergic Receptor Subtypes in Human Peripheral Blood Lymphocytes, 708
Role of the α_{2B}-Adrenergic Receptor in the Development of Salt-Induced Hypertension, 14
Receptors, adrenergic, beta
β-2 Adrenergic Receptor Variants Affect Resting Blood Pressure and Agonist-Induced Vasodilation in Young Adult Caucasians, 1425
β-Adrenergic Receptor Kinase-1 Levels in Catecholamine-Induced Myocardial Hypertrophy: Regulation by β- but not α_1-Adrenergic Stimulation, 396
Effects of Vasodilatory β-Adrenoceptor Antagonists on Endothelium-Derived Nitric Oxide Release in Rat Kidney, 467
The Myocardial β-Adrenergic System in Spontaneously Hypertensive Heart Failure (SHHF) Rats, 402
Receptors, aminobutyric acid
Enhanced γ-Aminobutyric Acid–B Receptor Agonist Responses and mRNA Within the Nucleus of the Solitary Tract in Hypertension, 530
Receptors, angiotensin
Antisense Inhibition of AT_1 Receptor in Vascular Smooth Muscle Cells Using Adeno-Associated Virus-Based Vector, 354
Effects of Candesartan and Cilazapril on Rats With Myocardial Infarction Assessed by Echocardiography, 961
Involvement of PYK2 in Angiotensin II Signaling of Vascular Smooth Muscle Cells, 201
Mechanistic Differences of Various AT_1-Receptor Blockers in Isolated Vessels of Different Origin, 1406
Proximal Tubular Angiotensin II Levels and Renal Functional Responses to AT_1 Receptor Blockade in Nonclipped Kidneys of Goldblatt Hypertensive Rats, 102
Role of AT_2 Receptors in Angiotensin II–Stimulated Contraction of Small Mesenteric Arteries in Young SHR, 366
Roles of AT_1 and AT_2 Receptors in the Hypertensive *Ren*-2 Gene Transgenic Rat Kidney, 347
Receptors, angiotensin II
11β-Hydroxysteroid Dehydrogenase in Cultured Human Vascular Cells: Possible Role in the Development of Hypertension, 1179
Angiotensin II Receptor Blockade in Normotensive Subjects: A Direct Comparison of Three AT_1 Receptor Antagonists, 850
AT_2 Receptor and Vascular Smooth Muscle Cell Differentiation in Vascular Development, 1414
Differential Regulation of Renal Angiotensin Subtype AT_{1A} and AT_2 Receptor Protein in Rats With Angiotensin-Dependent Hypertension, 96
Evidence for Involvement of the Type 1 Angiotensin II Receptor Locus in Essential Hypertension, 844
Intracellular Sodium Modulates the Expression of Angiotensin II Subtype 2 Receptor in PC12W Cells, 626
Protective Role of the Angiotensin AT_2 Receptor in a Renal Wrap Hypertension Model, 1237
Receptors, bradykinin
Effect of ACE Inhibitor on DOCA-Salt– and Aortic Coarctation–Induced Hypertension in Mice: Do Kinin B_2 Receptors Play a Role? 329
Kinin B_1 Receptor Antagonists Containing α-Methyl-L-Phenylalanine: In Vitro and In Vivo Antagonistic Activities, 823
Type 2 Bradykinin-Receptor Antagonism Does Not Modify Kinin or Angiotensin Peptide Levels, 1233
Receptors, dopamine
Dopamine-1 Receptor Coupling Defect in Renal Proximal Tubule Cells in Hypertension, 1036
Selective Inhibition of the Renal Dopamine Subtype D_{1A} Receptor Induces Antinatriuresis in Conscious Rats, 504
Receptors, endothelin
Different Contributions of Endothelin-A and Endothelin-B Receptors in the Pathogenesis of Deoxycorticosterone Acetate–Salt–Induced Hypertension in Rats, 759
Early-Onset But Not Late-Onset Endothelin-A–Receptor Blockade Can Modulate Hypertension, Cerebral Edema, and Proteinuria in Stroke-Prone Hypertensive Rats, 137
Role of Endothelin in the Increased Vascular Tone of Patients With Essential Hypertension, 753
Stimulation of the Renin-Angiotensin System by Endothelin Subtype A Receptor Blockade in Conscious Dogs, 1420
Systemic Blockade of the Endothelin-B Receptor Increases Peripheral Vascular Resistance in Healthy Men, 581
Receptors, glutamate
Pressor Response to Compression of the Ventrolateral Medulla Mediated by Glutamate Receptors, 1207
Receptors, mineralocorticoid
Brain Mineralocorticoid Receptor Control of Blood Pressure and Kidney Function in Normotensive Rats, 1201
Recombinant adeno-associated virus vector
Antisense Inhibition of AT_1 Receptor in Vascular Smooth Muscle Cells Using Adeno-Associated Virus-Based Vector, 354
Regression analysis
Heart Rate and Subsequent Blood Pressure in Young Adults: The CARDIA Study, 640
Regulation, hormonal
Role of C/A Polymorphism at −20 on the Expression of Human Angiotensinogen Gene, 108
Remodeling
Chronic ET_A Receptor Blockade Attenuates Cardiac Hypertrophy Independently of Blood Pressure Effects in Renovascular Hypertensive Rats, 954
Endothelin System–Dependent Cardiac Remodeling in Renovascular Hypertension, 816
Mechanics and Composition of Human Subcutaneous Resistance Arteries in Essential Hypertension, 569
Remodeling, ventricular
Effects of Candesartan and Cilazapril on Rats With Myocardial Infarction Assessed by Echocardiography, 961
Gender-Related Differences in Myocyte Remodeling in Progression to Heart Failure, 676
***Ren*-2 gene**
Roles of AT_1 and AT_2 Receptors in the Hypertensive *Ren*-2 Gene Transgenic Rat Kidney, 347
Renal artery obstruction
Magnetic Resonance Angiography Versus Duplex Sonography for Diagnosing Renovascular Disease, 726
Renal blood flow
Differential Expression of Renal Nitric Oxide Synthase Isoforms During Pregnancy in Rats, 435
Hyperglycemia and Angiotensin-Mediated Control of the Renal Circulation in Healthy Humans, 559
Local Renal Medullary L-NAME Infusion Enhances the Effect of Long-Term Angiotensin II Treatment, 440
Proximal Tubular Angiotensin II Levels and Renal Functional Responses to AT_1 Receptor Blockade in Nonclipped Kidneys of Goldblatt Hypertensive Rats, 102
Stimulation of the Renin-Angiotensin System by Endothelin Subtype A Receptor Blockade in Conscious Dogs, 1420

Renal circulation
Antihypertensive Mechanisms Underlying a Novel Salt-Sensitive Hypertensive Model Induced by Sensory Denervation, 499
Hyponatremic-Hypertensive Syndrome With Renal Ischemia: An Underrecognized Disorder, 1020
Purinoceptor-Mediated Calcium Signaling in Preglomerular Smooth Muscle Cells, 195
Role of Tyrosine Kinase and PKC in the Vasoconstrictor Response to 20-HETE in Renal Arterioles, 414
Renal cortical and medullary blood flows
Roles of AT_1 and AT_2 Receptors in the Hypertensive *Ren*-2 Gene Transgenic Rat Kidney, 347
Renal disease
TGF-β_1 DNA Polymorphisms, Protein Levels, and Blood Pressure, 271
Renal fibrosis
Enalapril Prevents Tubulointerstitial Lesions by Hyperoxaluria, 225
Renal function
Adducin Polymorphism Affects Renal Proximal Tubule Reabsorption in Hypertension, 694
Different Contributions of Endothelin-A and Endothelin-B Receptors in the Pathogenesis of Deoxycorticosterone Acetate–Salt–Induced Hypertension in Rats, 759
Renal hemodynamics
Renal Characteristics and Effect of Angiotensin Suppression in Oral Contraceptive Users, 90
Role of Neuronal Nitric Oxide Synthase in Dahl Salt-Sensitive Hypertension, 456
Renal nerves
Interactions Between the Melanocortin System and Leptin in Control of Sympathetic Nerve Traffic, 542
Renal Nerves Promote Sodium Excretion During Long-Term Increases in Salt Intake, 487
Renal sympathetic nerve activity
Central Adrenomedullin Augments the Baroreceptor Reflex in Conscious Rabbits, 992
Renin
Appropriate Regulation of Renin and Blood Pressure in 45-kb Human Renin/Human Angiotensinogen Transgenic Mice, 318
Effects of Amlodipine and Cilnidipine on Cardiac Sympathetic Nervous System and Neurohormonal Status in Essential Hypertension, 1447
Effects of Human Prorenin in Rats Transgenic for Human Angiotensinogen, 312
Genetic Polymorphism of *CYP11B2* Gene and Hypertension in Japanese, 266
Hyperglycemia and Angiotensin-Mediated Control of the Renal Circulation in Healthy Humans, 559
Linkage Analysis of Candidate Genes and Gene-Gene Interactions in Chinese Hypertensive Sib Pairs, 1332
Monocyte Infiltration and Adhesion Molecules in a Rat Model of High Human Renin Hypertension, 389
Role of Neuronal Nitric Oxide Synthase in Dahl Salt-Sensitive Hypertension, 456
State-of-the-Art Lecture: Hypertension-Induced End-Organ Damage: A New Transgenic Approach to an Old Problem, 212
Stimulation of the Renin-Angiotensin System by Endothelin Subtype A Receptor Blockade in Conscious Dogs, 1420
Transcriptional Regulation of the Rat Renin Gene by Regulatory Elements in Intron I, 303
Type 2 Bradykinin-Receptor Antagonism Does Not Modify Kinin or Angiotensin Peptide Levels, 1233
Renin-angiotensin system
Angiotensin-Converting Enzyme Is Upregulated in the Proximal Tubules of Rats With Intense Proteinuria, 732
Appropriate Regulation of Renin and Blood Pressure in 45-kb Human Renin/Human Angiotensinogen Transgenic Mice, 318
Chronic ET_A Receptor Blockade Attenuates Cardiac Hypertrophy Independently of Blood Pressure Effects in Renovascular Hypertensive Rats, 954
Enalapril Prevents Tubulointerstitial Lesions by Hyperoxaluria, 225
Estradiol With or Without Progesterone and Ambulatory Blood Pressure in Postmenopausal Women, 1190
Hyponatremic-Hypertensive Syndrome With Renal Ischemia: An Underrecognized Disorder, 1020
Increased Chymase-Dependent Angiotensin II Formation in Human Atherosclerotic Aorta, 1399
Local Renin-Angiotensin System Is Involved in K^+-Induced Aldosterone Secretion from Human Adrenocortical NCI-H295 Cells, 1025
Proximal Tubular Angiotensin II Levels and Renal Functional Responses to AT_1 Receptor Blockade in Nonclipped Kidneys of Goldblatt Hypertensive Rats, 102
Stimulation of the Renin-Angiotensin System by Endothelin Subtype A Receptor Blockade in Conscious Dogs, 1420
Variable Renal Atrial Natriuretic Factor Gene Expression in Hypertension, 1342
Repetitive sequences, nucleic acid
Association of an Apolipoprotein B Gene Marker With Essential Hypertension, 1052
Residual stress
Distribution of Lamellar Deformations: Implications for Properties of the Arterial Media, 806
Resistance
Age-Related Abnormalities in Arterial Compliance Identified by Pressure Pulse Contour Analysis: Aging and Arterial Compliance, 1392
Role of AT_2 Receptors in Angiotensin II–Stimulated Contraction of Small Mesenteric Arteries in Young SHR, 366
Reverse transcriptase
Enhanced γ-Aminobutyric Acid–B Receptor Agonist Responses and mRNA Within the Nucleus of the Solitary Tract in Hypertension, 530
Reverse transcriptase–polymerase chain reaction
Estrogen Regulation of Angiotensin-Converting Enzyme mRNA, 323
Risk factors
Hypertension and Arsenic Exposure in Bangladesh, 74
Need for a Revision of the Normal Limits of Resting Heart Rate, 622
RNA, messenger
Human Renin mRNA Stability Is Increased in Response to cAMP in Calu-6 Cells, 900
RU28318
Brain Mineralocorticoid Receptor Control of Blood Pressure and Kidney Function in Normotensive Rats, 1201

S

Safety
Safety of Nifedipine in Angina Pectoris: A Meta-Analysis, 24
Secretion
Effects of Angiotensin II on Sodium Potassium Pumps, Endogenous Ouabain, and Aldosterone in Bovine Zona Glomerulosa Cells, 373
Sensory neurons
CGRP Activates Renal Pelvic Substance P Receptors by Retarding Substance P Metabolism, 493
Sex
Role of Chromosome X in the Sabra Rat Model of Salt-Sensitive Hypertension, 261
Siblings
Evidence for Involvement of the Type 1 Angiotensin II Receptor Locus in Essential Hypertension, 844
Signal transduction
Involvement of PYK2 in Angiotensin II Signaling of Vascular Smooth Muscle Cells, 201
TNF-α–Induced Migration of Vascular Smooth Muscle Cells Is MAPK Dependent, 183
Signaling
Recent Progress in Angiotensin II Type 2 Receptor Research in the Cardiovascular System, 613
Silencer
Transcriptional Regulation of the Rat Renin Gene by Regulatory Elements in Intron I, 303
Sinoaortic denervation
Effect of Sinoaortic Deafferentation on Renal Wrap Hypertension, 476
Sleep
Relation Between Body Fat–Corrected ECG Voltage and Ambulatory Blood Pressure in Patients With Essential Hypertension, 1159

Smoking
Hyponatremic-Hypertensive Syndrome With Renal Ischemia: An Underrecognized Disorder, 1020
Smoking cessation
Effects of Smoking Cessation on Blood Pressure and Heart Rate Variability in Habitual Smokers, 586
Sodium
Alexithymia: A Facet of Essential Hypertension, 1057
Hyperglycemia and Angiotensin-Mediated Control of the Renal Circulation in Healthy Humans, 559
Increased Central Angiotensin and Osmotic Responses in the Ren-2 Transgenic Rat, 385
Role of 20-HETE in Elevating Chloride Transport in the Thick Ascending Limb of Dahl SS/Jr Rats, 419
Role of Chromosome X in the Sabra Rat Model of Salt-Sensitive Hypertension, 261
Role of Neuronal Nitric Oxide Synthase in Dahl Salt-Sensitive Hypertension, 456
Sodium channels
Epithelial Sodium Channel Activity Is Not Increased in Hypertension in Whites, 1031
Linkage Analysis of Candidate Genes and Gene-Gene Interactions in Chinese Hypertensive Sib Pairs, 1332
Seven Lessons From Two Candidate Genes in Human Essential Hypertension: Angiotensinogen and Epithelial Sodium Channel, 1324
Sodium excretion
Renal Nerves Promote Sodium Excretion During Long-Term Increases in Salt Intake, 487
Selective Inhibition of the Renal Dopamine Subtype D_{1A} Receptor Induces Antinatriuresis in Conscious Rats, 504
Sodium intake
Effect of Chronic Salt Loading on Adenosine Metabolism and Receptor Expression in Renal Cortex and Medulla in Rats, 511
Renal Nerves Promote Sodium Excretion During Long-Term Increases in Salt Intake, 487
Sodium-lithium countertransport
Prospective Analysis of Traits Related to 6-Year Change in Sodium-Lithium Countertransport, 887
Sodium sensitivity
NaCl-Induced Renal Vasoconstriction in Salt-Sensitive African Americans: Antipressor and Hemodynamic Effects of Potassium Bicarbonate, 633
Normotensive Salt Sensitivity: Effects of Race and Dietary Potassium, 18
Sodium, dietary
Antihypertensive Mechanisms Underlying a Novel Salt-Sensitive Hypertensive Model Induced by Sensory Denervation, 499
Blood Pressure, Sodium Intake, Insulin Resistance, and Urinary Nitrate Excretion, 1008
Loss of Endothelium and Receptor-Mediated Dilation in Pial Arterioles of Rats Fed a Short-Term High Salt Diet, 686
Metformin Attenuates Salt-Induced Hypertension in Spontaneously Hypertensive Rats, 1135
NaCl-Induced Renal Vasoconstriction in Salt-Sensitive African Americans: Antipressor and Hemodynamic Effects of Potassium Bicarbonate, 633
Sympathoinhibitory Effects of Central Nifedipine in Spontaneously Hypertensive Rats on High Versus Regular Sodium Intake, 32
Spectral analysis
Effects of Age and Gender on Autonomic Control of Blood Pressure Dynamics, 1195
Enhanced Blood Pressure Variability in eNOS Knockout Mice, 1359
Sphingolipid
Effect of Ceramide on K_{Ca} Channel Activity and Vascular Tone in Coronary Arteries, 1441
Sphingomyelinase
Effect of Ceramide on K_{Ca} Channel Activity and Vascular Tone in Coronary Arteries, 1441
Statistics
Telemetry For Cardiovascular Monitoring in a Pharmacological Study: New Approaches to Data Analysis, 248
Stiffness
Muscular Strength Training Is Associated With Low Arterial Compliance and High Pulse Pressure, 1385
Stress
High Stress Responsivity Predicts Later Blood Pressure Only in Combination With Positive Family History and High Life Stress, 1458
Stress, psychological
Alexithymia: A Facet of Essential Hypertension, 1057
Stress, shear
Structural Autoregulation of Terminal Vascular Beds: Vascular Adaptation and Development of Hypertension, 153
Stroke
Atrial Natriuretic Peptide Gene Delivery Reduces Stroke-Induced Mortality Rate in Dahl Salt-Sensitive Rats, 219
Binge Drinking and Ambulatory Blood Pressure, 79
Stroke volume
Diastolic Compliance Is Reduced in Obese Rabbits, 811
Superoxide
Superoxide Anion Production Is Increased in a Model of Genetic Hypertension: Role of the Endothelium, 1353
Superoxide dismutase
Evidence for Peroxynitrite Formation in the Vasculature of Women With Preeclampsia, 83
Paracrine Role of Adventitial Superoxide Anion in Mediating Spontaneous Tone of the Isolated Rat Aorta in Angiotensin II-Induced Hypertension, 1225
Role of Increased Production of Superoxide Anions by NAD(P)H Oxidase and Xanthine Oxidase in Prolonged Endotoxemia, 1243
Two-Week Administration of Tempol Attenuates Both Hypertension and Renal Excretion of 8-Iso Prostaglandin $F_{2\alpha}$, 424
Survival
Different Frequencies of Inducible Nitric Oxide Synthase Genotypes in Older Hypertensives, 927
Sympathetic activity
Effect of Sinoaortic Deafferentation on Renal Wrap Hypertension, 476
Sympathetic nervous system
Clonidine Prevents Insulin Resistance and Hypertension in Obese Dogs, 548
Effects of Age and Gender on Autonomic Control of Blood Pressure Dynamics, 1195
Effects of Amlodipine and Cilnidipine on Cardiac Sympathetic Nervous System and Neurohormonal Status in Essential Hypertension, 1447
Effects of Amlodipine on Sympathetic Nerve Traffic and Baroreflex Control of Circulation in Heart Failure, 671
Effects of Smoking Cessation on Blood Pressure and Heart Rate Variability in Habitual Smokers, 586
Human Obesity Is Characterized by a Selective Potentiation of Central Chemoreflex Sensitivity, 1153
Interactions Between the Melanocortin System and Leptin in Control of Sympathetic Nerve Traffic, 542
Pressor Response to Compression of the Ventrolateral Medulla Mediated by Glutamate Receptors, 1207
Renal Nerves Promote Sodium Excretion During Long-Term Increases in Salt Intake, 487
State-of-the-Art Lecture: Obesity-Induced Hypertension: New Concepts From the Emerging Biology of Obesity, 537
Sympathoinhibitory Effects of Central Nifedipine in Spontaneously Hypertensive Rats on High Versus Regular Sodium Intake, 32
A Test of the "Epinephrine Hypothesis" in Humans, 36
Sympathetic tone
Parental Hyperdynamic Circulation Predicts Insulin Resistance in Offspring: The Tecumseh Offspring Study, 769

T

Telemetry
Telemetry For Cardiovascular Monitoring in a Pharmacological Study: New Approaches to Data Analysis, 248
Thermotolerance
Protection Against Necrosis but Not Apoptosis by Heat-Stress Proteins in Vascular Smooth Muscle Cells: Evidence for Distinct Modes of Cell Death, 906
Thrombosis
Factor V Leiden and Thermolabile Methylenetetrahydrofolate Reductase Gene Variants in an East Anglian Preeclampsia Cohort, 1338

Tractus solitarius
Enhanced γ-Aminobutyric Acid–B Receptor Agonist Responses and mRNA Within the Nucleus of the Solitary Tract in Hypertension, 530
Transcription, genetic
Human Renin mRNA Stability Is Increased in Response to cAMP in Calu-6 Cells, 900
Transcriptional Regulation of the Rat Renin Gene by Regulatory Elements in Intron I, 303
Transforming growth factor-β_1
TGF-β_1 DNA Polymorphisms, Protein Levels, and Blood Pressure, 271
Transmission/disequilibrium test
Angiotensinogen Gene Polymorphisms M235T/T174M: No Excess Transmission to Hypertensive Chinese, 698
Transplantation, cardiac
Enhanced Natriuretic Response to Neutral Endopeptidase Inhibition in Heart-Transplant Recipients, 969
Transplantation, renal
ACE Inhibitor Versus β-Blocker for the Treatment of Hypertension in Renal Allograft Recipients, 862
Troglitazone
Altered Pressure-Natriuresis in Obese Zucker Rats, 1470
Troglitazone Upregulates Nitric Oxide Synthesis in Vascular Smooth Muscle Cells, 943
Tubulointerstitial lesions
Enalapril Prevents Tubulointerstitial Lesions by Hyperoxaluria, 225

U

Ultrasonography
Assessment of Arterial Compliance by Carotid Midwall Strain-Stress Relation in Normotensive Adults, 787
Effect of Magnesium Deficiency on Blood Pressure and Mechanical Properties of Rat Carotid Artery, 1105
Magnetic Resonance Angiography Versus Duplex Sonography for Diagnosing Renovascular Disease, 726
Ultrasonic Myocardial Texture Versus Doppler Analysis in Hypertensive Heart: A Preliminary Study, 66
United Arab Emirates
Association of an Apolipoprotein B Gene Marker With Essential Hypertension, 1052
Uridine triphosphate
Purinoceptor-Mediated Calcium Signaling in Preglomerular Smooth Muscle Cells, 195
Urine
An Enhanced Effect of Arginine Vasopressin in Bradykinin B_2 Receptor Null Mutant Mice, 1436
Role of Neuronal Nitric Oxide Synthase in Dahl Salt-Sensitive Hypertension, 456

V

Valsartan
Angiotensin II Receptor Blockade in Normotensive Subjects: A Direct Comparison of Three AT_1 Receptor Antagonists, 850
Vascular cell adhesion molecule-1
Monocyte Infiltration and Adhesion Molecules in a Rat Model of High Human Renin Hypertension, 389
Vascular damage
Distinct and Combined Vascular Effects of ACE Blockade and HMG-CoA Reductase Inhibition in Hypertensive Subjects, 719
Vascular diseases
Hypertension and Arsenic Exposure in Bangladesh, 74
Vascular injury
Angiotensin-(1–7) Reduces Smooth Muscle Growth After Vascular Injury, 207
Vascular proliferation
Angiotensin-(1–7) Reduces Smooth Muscle Growth After Vascular Injury, 207
Vascular remodeling
Effects of an Angiotensin-Converting Enzyme Inhibitor and a β-Blocker on Cerebral Arterioles in Rats, 856
Vascular resistance
Diminished Wave Reflection in the Aorta: A Novel Physiological Action of Insulin on Large Blood Vessels, 1118
Structural Skin Capillary Rarefaction in Essential Hypertension, 998
Vascular structure
Insulin Sensitivity Is Related to Physical Fitness and Exercise Blood Pressure to Structural Vascular Properties in Young Men, 781
Vascular tone
11β-Hydroxysteroid Dehydrogenase in Cultured Human Vascular Cells: Possible Role in the Development of Hypertension, 1179
Role of Endothelin in the Increased Vascular Tone of Patients With Essential Hypertension, 753
Vasoconstriction
Role of AT_2 Receptors in Angiotensin II–Stimulated Contraction of Small Mesenteric Arteries in Young SHR, 366
Systemic Blockade of the Endothelin-B Receptor Increases Peripheral Vascular Resistance in Healthy Men, 581
Vasodilation
β-2 Adrenergic Receptor Variants Affect Resting Blood Pressure and Agonist-Induced Vasodilation in Young Adult Caucasians, 1425
Effect of Treatment on Flow-Dependent Vasodilation of the Brachial Artery in Essential Hypertension, 575
Is Gene Therapy for Hypertension Possible? 8
Loss of Endothelium and Receptor-Mediated Dilation in Pial Arterioles of Rats Fed a Short-Term High Salt Diet, 686
Mesenteric Vasodilation Mediated by Endothelial Anandamide Receptors, 429
Vasopressin
Increased Central Angiotensin and Osmotic Responses in the Ren-2 Transgenic Rat, 385
Neuroendocrine Effects of Dehydration in Mice Lacking the Angiotensin AT1a Receptor, 482
Ventricles, cerebral
Handling ^{22}NaCl by the Blood-Brain Barrier and Kidney: Its Relevance to Salt-Induced Hypertension in Dahl Rats, 517
Ventricular function, left
Diastolic Dysfunction and Baroreflex Sensitivity in Hypertension, 1141
p53-Mediated Upregulation of *BAX* Gene Transcription Is Not Involved in Bax-α Protein Overexpression in the Left Ventricle of Spontaneously Hypertensive Rats, 1348
Ultrasonic Myocardial Texture Versus Doppler Analysis in Hypertensive Heart: A Preliminary Study, 66
Ventrolateral medulla
Pressor Response to Compression of the Ventrolateral Medulla Mediated by Glutamate Receptors, 1207

W

Water balance
Neuroendocrine Effects of Dehydration in Mice Lacking the Angiotensin AT1a Receptor, 482
Water consumption
Hypertension and Arsenic Exposure in Bangladesh, 74
Whites
Different Frequencies of Inducible Nitric Oxide Synthase Genotypes in Older Hypertensives, 927
Epithelial Sodium Channel Activity Is Not Increased in Hypertension in Whites, 1031
Women
Estradiol With or Without Progesterone and Ambulatory Blood Pressure in Postmenopausal Women, 1190
Hormones and Vasoprotection, 170
Women, postmenopausal
Phytoestrogens Inhibit Growth and MAP Kinase Activity in Human Aortic Smooth Muscle Cells, 177

X

Xanthine oxidase
Role of Increased Production of Superoxide Anions by NAD(P)H Oxidase and Xanthine Oxidase in Prolonged Endotoxemia, 1243

Y

Yohimbine
A Test of the "Epinephrine Hypothesis" in Humans, 36